

ORIGINAL

NEW APPLICATION



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BEFORE THE ARIZONA CORPORATIC

Arizona Corporation Commission

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IN THE MATTER OF THE APPLICATION OF )  
TRICO ELECTRIC COOPERATIVE, INC. FOR )  
APPROVAL OF ITS 2014 RENEWABLE )  
ENERGY STANDARD TARIFF )  
IMPLEMENTATION PLAN. )

DOCKET NO. E-01461A-13-0231

APPLICATION

Trico Electric Cooperative, Inc. ("Trico" or the "Company") submits its 2014 Renewable Energy Standard and Tariff Implementation Plan ("2014 REST Plan") for Arizona Corporation Commission ("Commission") approval. Trico provides the following Plan information:

I. Background.

Trico is an Arizona nonprofit corporation that is certified to provide electricity as a public service corporation in the State of Arizona. Trico is a distribution cooperative member of Arizona Electric Power Cooperative ("AEPSCO"). Trico has had its own REST Plan since 2011.<sup>1</sup> The Commission approved Trico's 2011 REST Plan in Decision No. 72086 (January 20, 2011), and Trico's 2012 REST Plan in Decision No. 73087 (April 5, 2012) and Trico's 2013 REST Plan in Decision No. 73634 (January 31, 2013) (amended nunc pro tunc in Decision No. 73776 (March 21, 2013)).

II. Overview of 2014 REST Plan.

Trico's proposed 2014 REST Plan is attached to this pleading as Exhibit A. Trico is submitting its 2014 REST Plan pursuant to the section within the REST Rules specifically addressing electric power cooperatives (A.A.C. R14-2-1814), which allows a cooperative like

<sup>1</sup> Until 2011, AEPSCO had filed REST Plans on behalf of itself and several of its member distribution cooperatives, including Trico.

1 Trico to file “an appropriate plan for acquiring Renewable Energy Credits from Eligible  
2 Renewable Energy Resources for the next calendar year.”

3 Trico’s 2014 REST Plan includes the same renewable energy programs and initiatives as  
4 the approved 2013 REST Plan. However, Trico has reduced its proposed 2014 REST budget by  
5 approximately 33%, from \$1,493,088 to \$994,908. As a result, the proposed REST surcharges for  
6 2014 are lower and the proposed REST surcharge caps are lower. For example, the residential cap  
7 will drop from \$3.00/month to \$2.00/month.

8 As with its previous REST Plans, Trico proposes to continue the provision that any  
9 allocated funds not used in the plan year may be used to support any of the programs within  
10 Trico’s 2014 REST Plan. Trico must have the ability to move REST dollars between various  
11 programs in order for the Company to meet the REST requirements in the most economical  
12 manner.

13 **III. Proposed Surcharge Rates and Caps in Trico’s 2013 RES tariff.**

14 In Trico’s tariff for 2014 (“RES Tariff”), Trico proposes to reduce the surcharge rate from  
15 \$0.005550 per kWh to \$0.003820 per kWh for its residential and non-residential member  
16 customers. For governmental and agricultural member customers, Trico proposes to reduce its  
17 rate from \$0.000971 per kWh to \$0.000700 per kWh.

18 Trico also proposes to reduce its monthly caps from the caps approved in its 2013 REST  
19 Plan: \$2.00 per-month RES Tariff maximum per residential customer (reduced from \$3.00); \$100  
20 per-month maximum for non-residential customers with less than or equal to 3 MW of demand  
21 (reduced from \$130); \$2,000 per-month maximum for non-residential customers with over 3 MW  
22 of demand (reduced from \$3,500); and \$30 per-month maximum for agricultural and  
23 governmental customers with demand equal to or less than 3 MW demand (reduced from \$43).

24 These provisions will result in a 2014 RES Plan budget of approximately \$994,908, which  
25 is almost \$500,000 less than the budget for Trico’s 2013 REST Plan.

26  
27

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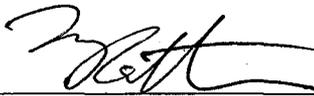
1 **IV. Conclusion**

2 WHEREFORE, for the reasons set forth herein, Trico respectfully requests that the  
3 Commission issue an Order:

- 4 (1) Approving Trico's 2013 REST Plan;
- 5 (2) Approving Trico to move REST dollars between its various programs so that it may  
6 maintain its REST programs in the most economical manner;
- 7 (3) Approving Trico's RES Tariff; and
- 8 (4) Approving the recovery of the lifetime costs of PBIs for the full term of the  
9 contracts underlying the PBIs;

10 RESPECTFULLY SUBMITTED this 15<sup>th</sup> day of July 2013.

11 TRICO ELECTRIC COOPERATIVE, INC.

12 By 

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18 Original and 13 copies of the foregoing  
19 filed this 15<sup>th</sup> day of July 2013 with:

20 Docket Control  
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23 Copy of the foregoing hand-delivered/mailed  
this 15<sup>th</sup> day of July 2013 to:

24 Lyn Farmer, Esq.  
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By Mary Appolito

**Trico Electric Cooperative, Inc.**  
**REST Plan for Calendar Year 2014**

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

**July 1, 2013**

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### **Exhibits**

- Exhibit 1 – Distributed Renewable Technologies Supported by the 2014 REST Plan
- Exhibit 2 – Renewable Energy Forecast
- Exhibit 3 – Proposed Trico 2014 REST Plan Budget
- Exhibit 4 - Calculation of the 2014 REST Fund Recovery
- Exhibit 5 – Renewable Energy Customer Self-Directed Tariff
- Exhibit 6 – Voluntary Renewable Energy Standard Program Tariff
- Exhibit 7 – Renewable Energy Standard Tariff
- Exhibit 8 – Net Metering Tariff
- Exhibit 9 – SunWatts Sun Farm Tariff
- Exhibit 10 – Required Reporting Information

## **I. BACKGROUND.**

Trico Electric Cooperative, Inc. ("Trico") has prepared this Renewable Energy Standard and Tariff ("REST") Plan for calendar year 2014 (the "2014 REST Plan"), pursuant to the REST rules approved in Decision No. 69127 dated November 14, 2006 which took effect following Attorney General certification on August 14, 2007 ("REST Rules").

The REST Rules contain a section that specifically addresses electric power cooperatives. A.A.C. R14-2-1814 instructs the cooperatives to file "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 plan substitute for the requirements of A.A.C. R14-2-1804 and R14-2-1805 for Trico.

Trico's current 2013 REST Plan and its most recent revision to its RES tariffs were approved by the Arizona Corporation Commission ("Commission") in Decision No. 73634, on January 31, 2013, as amended by an Order Nunc Pro Tunc docketed February 13, 2013.

Pursuant to the REST Rules, Trico submits this 2014 REST Plan for calendar year 2014.

## **II. TRICO'S 2014 REST Plan.**

The 2014 REST Plan includes rebate support for distributed residential and commercial photovoltaic, solar water heating, and large-scale renewable generation installations. Trico's renewable generation programs are referred to as SunWatts. Trico will use surcharge dollars and proceeds from consumer participation in the Green Energy Purchase Program, hereinafter defined, to fund renewable programs.

The proposed 2014 REST Plan continues rebate support for all technologies that were approved as part of the 2013 REST Plan. Funds will also be used to pay for a portion of the administration, advertising and promotion of the SunWatts programs.

There are seven SunWatts programs that make up Trico's 2014 REST Plan, which include: (1) the Green Energy Purchase Program; (2) the Residential and Commercial Rebate Program; (3) the Large-Scale Generation Program; (4) the Educational Grant Program; (5) the Habitat for Humanity Program; (6) the PV for Schools Program; and (7) the Generation Metering Program. Each of these programs is described below.

Additional renewable energy initiatives include the availability of Net Metering through Trico's approved Net Metering Tariff, Decision No. 71462, dated January 26, 2010, as well as Trico's participation in the "Go Solar AZ Website", pursuant to Decision No. 71453, and Trico's approved Community Solar Project ("SunWatts Sun Farm"), located at Trico's facility.

**(1) SunWatts Green Energy Purchase Program:** This is an existing program whereby Trico's retail customers are given the opportunity to voluntarily support the purchase of "green energy." Green energy is offered to customers for purchase in 50 kWh blocks at a cost of \$2.00 per block. Green energy purchases are reflected as a line item on participating customers' retail bills. All funds received are used in support of the 2014 REST Plan programs. Advertising and other promotional activities encourage participation in this program and will continue as conducted under the 2013 REST Plan.

**(2) SunWatts Residential and Commercial Rebate Program:** This is an existing rebate program where Trico pays customers rebates to encourage the installation of qualifying solar photovoltaic ("PV"), solar water heating systems and other renewable technologies, as applicable.

**(a) PV systems up to 10 kW in system size:**

Trico is requesting to maintain its Up-Front Incentive ("UFI"), for customer owned and leased PV systems, at \$0.10 per installed Watt, up to 30% of the total cost of the system. This program will be available until the budget for the program is exhausted; at that time, requests will be placed on a rebate reservation waiting list, and the UFI offered will be subject to the rates set forth in Trico's 2014 REST Plan. Should a Trico customer wish to install a PV system that serves his/her load by meeting the requirements of the Net Metering Rules set forth in A.A.C. R14-2-2301 through R14-2-2308, that is 10 kW or larger, the customer may elect to participate in the UFI program by agreeing to an incentive maximum for a system corresponding to 10 kW.

For all systems up to 10 kW in size receiving a UFI, the customer transfers the Renewable Energy Credits ("RECs") to Trico for the system's actual or estimated kWh generation over a 20 year period.

**(b) Solar Water Heater Systems:**

As currently offered under the 2013 REST Plan, Trico proposes to continue its UFI rebate equal to \$0.40 per kWh of energy saved during the system's first year of operation. Only systems certified by the Solar Ratings and Certification Corporation ("SRCC") or the International Association of Plumbing and Mechanical Officials ("IAPMO") as being OG-300 are eligible for this rebate.

A list of OG-300 certified Solar Systems is available at SRCC's website at [www.solar-rating.org](http://www.solar-rating.org) or at the IAPMO website at <http://pld.iapmo.org>. In addition, the customer contribution to the cost of the solar water heater project must be a minimum of 15% of the total project cost after accounting for and applying all federal and state incentives. Rebates for solar water heaters will be distributed on a first-come, first-served basis and will be available until such time as the budget for the program is exhausted. At such time that the rebate budget is exhausted, customers will be placed on a rebate reservation waiting list. Solar swimming pool heating systems are not eligible for the rebate.

**(c) Generation Metering Program:**

Under Trico's 2013 REST Plan, for PV systems 10 kW and under, Trico began installing its own meter that measures the output of the PV generation on all new and existing PV systems. For 2014, Trico proposes to continue this program as currently offered under the 2013 REST Plan, whereby, Trico allocates a portion of the budget to installing Trico PV generation meters on all existing and new residential and commercial PV systems. The cost for the program contains the capital cost of each meter, plus the labor to install (approximately \$300 per meter). Additionally, the program includes the cost of the cell phone service to electronically read the meters, approximately \$0.55 per meter each month.

The generation meters are billing quality and electronically read by Trico and the data recorded. The installation of the PV generation meters provides Trico the data to analyze the impacts of the renewable generation (e.g. system reliability, potential reduction of the need for area facilities through better system

planning, rate design, etc.). The data also provides information to customers that have PV systems regarding their system output/efficiency and helps Trico with responding to billing questions associated with Net Metering

**(3) SunWatts Large-Scale Generation Systems over 10 kW:** This program includes both distributed and non-distributed commercial renewable projects that exceed 10 kW. These systems are not eligible for UFI's. Performance Based Incentives (PBIs) will be distributed until such time as the budget for the program is exhausted. Participants will only be eligible to receive a PBI through a competitive selection process. PBI projects will be selected periodically throughout the year based on the volume of applications received and the funds available in the program budget. Systems that are not selected may be resubmitted in a subsequent period. A budget of \$507,608 has been allocated to fund this program in 2013. Of these funds \$490,733 is set aside for the funding of existing PBI Agreements leaving \$16,875 to fund new projects in 2014. Any allocated funds not used in the plan year may be used to support other REST programs. Trico has received several applications for the potential installation of large commercial PV systems in the 2014 timeframe. The applications are currently under evaluation.

The UFIs and PBIs may be paid either directly to the customer or may be assigned by the customer or owner of the system, in the case of leased PV systems, during the application process. 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, Trico may allow self-installations as long as the customer has the installation inspected and verified by a

licensed contractor. With respect to PBI incentives for systems, Trico requests the recovery of the lifetime costs associated with these contracts.

The attached Exhibit 1 entitled "Distributed Renewable Technologies Supported by the 2014 REST Plan" summarizes the incentive levels provided for each technology. For 2013 Trico has not received a request for a new technology not described in Exhibit 1; however Trico will evaluate applications received for a new technology on a case by case basis.

**(4) SunWatts Educational Grant Program:** Trico proposes to continue its Educational Grant Program for 2014. The Educational Grant Program supports renewable energy education in the classroom by offering teachers education grants for the development of renewable curricula for the classroom. A maximum of \$2,500 will be allocated for this program in 2014.

**(5) SunWatts Habitat for Humanity Program:** Trico proposes to continue its Habitat for Humanity Program for 2014. Trico's Habitat for Humanity Program allows it to partner with the Habitat for Humanity to offer renewable energy options to low-income families. The Habitat organization will receive grants for the purchase of PV and other renewable energy equipment to be installed on Habitat homes. Trico will also assist in finding local renewable energy equipment dealers who are willing to donate products and services. The type and amount of equipment will vary from project to project. Up to two of these projects will be undertaken each year with a total program budget of \$5,000.

**(6) PV for Schools Program:** Trico proposes to continue its PV for Schools Program for 2014. In 2013, Trico modified its PV for Schools Program to a competitive application process whereby the successful school(s) would receive renewable energy through a purchased power agreement that Trico negotiates directly with the solar firm. Trico has identified potential schools and PV installers for participation in this program in 2013, but does not anticipate that such systems will go online until late 2013 or early 2014. Trico has allocated a budget of \$81,000 for this Program in 2014.

**(7) Net Metering:** All customers with a renewable resource that qualifies and meets the requirements under the Net Metering Rules, A.A.C. R14-2-2301 through R14-2-2308, and Trico's Net Metering Tariff, approved in Decision No. 71462 dated January 26, 2010, are eligible to participate in Trico's Net Metering program.

**(8) Arizona Goes Solar Website:** Trico has participated with Arizona Public Service (APS) and the other Arizona utilities in this project. The website was made available to the public in September 2010. As required by Decision No. 71453, Trico will continue to support the Arizona Goes Solar (formerly called "Go Solar AZ") Website and will continue to provide information such as and including the following: the reservation request review date; the incentive program under which the incentive is being offered; the amount of the incentive offered; the size and nature of the systems (whether commercial or residential); the step in the reservation process each system is in at the time it is posted; total cost of the system; nameplate rating of the system; current incentive application status; and the name of the installer of the system.

(9) **Community Solar Project (“SunWatts Sun Farm”):** Trico’s SunWatts Sun Farm became operational in June 2011. Trico’s SunWatts Sun Farm consists of 840 ground mount fixed tilt panels that total to 227 kW. The program includes that a Trico member can purchase panels in one-quarter, one-half or in full panel increments up to but not to exceed their average monthly kWh energy usage in the last twelve-month period up to a maximum of 10,000 watts per customer. Customers who purchase a part or several panels will receive a credit on their bill equal to energy generated by their panel(s) in accordance with the SunWatts Sun Farm Tariff approved under Decision No. 72086. Trico did not use any REST surcharge funds for the construction of the SunWatts Sun Farm.

(10) **Other Items:**

Flexibility of Funds: In an effort to maintain and grow participation in its 2014 REST Plan programs, Trico requests Commission approval to shift approved funds between programs, and to modify the program budgets in the 2014 REST Plan when cost-effective to do so. This flexibility is essential to Trico’s ability to grow its programs as Trico does not know the response from its customers when implementing new programs. This flexibility will also help Trico to maintain and maximize the most successful programs without oversubscription.

### III. ADMINISTRATION OF THE SUNWATTS PROGRAM.

Annual Reporting and Plan Development: By April 1, 2014, Trico will file a report that describes results for its 2013 REST Plan. On or before July 1 of each year, Trico will file an updated plan as required A.A.C. R14-2-1814.B.

Required Reporting Information: Decision Nos. 72734, 72737, and 72738 ordered Tucson Electric Power Company, Arizona Public Service, and UNS Electric, Inc. to submit a report for Commission Staff approval on the Companies' joint REST Plan formatting standardization efforts. Such report was to be formulated by a REST Format Working Group ("REST Working Group") that consisted of members of all utilities that fall within the jurisdiction of the Commission. The REST Working Group submitted its recommendations to the Commission, which were subsequently adopted. Trico submits the following tables, in Exhibit 10, attached hereto, to meet this requirement:

Table 1 – Targeted Resources

Table 2 – Targeted RES Resource Costs (in \$Ms)

Advertising and Promotion: Trico SunWatts advertising includes a variety of mediums, including, but not limited to: bill inserts and ads/stories in monthly newsletters; counter cards and posters; paid ads in local newspapers; paid ads on rural radio stations; participation at local events, such as cooperative annual meetings and county fairs; and a SunWatts promotional presence on the Trico website.

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

Based on the programs and projects currently in place, as well as the assumptions included in this 2014 REST Plan, Trico anticipates that its programs will provide 24,729,501 kWh of distributed and 442,349 kWh of non-distributed generation totaling 25,171,850 kWh of renewable generation by the end of 2014. The attached Exhibit 2 entitled "Renewable Energy Forecast" reflects Trico's estimated renewable energy for 2014.

The renewable forecasts described above were used to formulate the proposed budget described in the attached Exhibit 3 entitled "Proposed Trico 2014 REST Plan Budget". This budget assumes that the surcharge tariff will be modified as described below.

Over the last several years, Trico has eliminated its once significant rebate backlog and also reduced its rebate incentives for new PV systems installed in its service territory. This combination results in less budget dollars needed to fund Trico's 2014 REST programs. Trico's 2014 REST Plan includes a decrease to the existing REST surcharge energy rate and monthly dollar caps to reduce the total budget revenue for 2014 to \$994,908 (a reduction of approximately \$0.5 million). A comparison of the 2013 to the proposed 2014 surcharge is included in Table 1 below:

**Table 1: Summary of Trico's Surcharge Tariff**

Customer Type	2013 Rate (\$/kWh)	2014 Rate (\$/kWh)	2013 Maximum	2014 Maximum
Residential	\$0.005550	\$0.003820	\$3.00	\$2.00
Non-Residential ( less than 3,000 kW)	\$0.005550	\$0.003820	\$130.00	\$100.00
Non-Residential (equal to or greater than 3,000 kW)	\$0.005550	\$0.003820	\$3,500.00	\$2,000.00
Governmental and Agricultural	\$0.000971	\$0.000700	\$43.00	\$30.00

Exhibit 4 entitled "Calculation of 2014 REST Fund Recovery" summarizes the impact on the residential customers and the forecasted collection from Trico's REST surcharge tariff by customer class utilized for the 2014 REST Plan budget.

The attached Exhibit 5 entitled "Renewable Energy Customer Self-Directed Tariff," Exhibit 6 entitled "Voluntary Renewable Energy Standard Program Tariff," Exhibit 7 entitled "Renewable Energy Standard Tariff," Exhibit 8 entitled "Net Metering Tariff" and Exhibit 9 entitled "SunWatts Sun Farm Tariff" represent the Tariffs applicable to the 2014 REST Plan. Exhibits 5, 6, 8 and 9 remain unchanged, whereas Trico has modified Exhibit 7 to reflect the proposed 2014 Renewable Energy Standard Tariff described above.

# Exhibit “1”

**Exhibit 1**

**Distributed Renewable Technologies Supported by the 2014 REST Plan**

<b>Technology</b>	<b>UFI</b>	<b>PBI</b>
Solar Electric	For systems up to 10 kW: \$0.10 per watt (up to 30% of system cost)	For systems over 10kW  *Subject to competitive bid process
Solar Water Heating	\$0.40 per kWh for first year savings	N/A

Exhibit  
“2”

Exhibit 2

**Renewable Energy Forecast**

	<u>2014</u> <u>REC - kWh</u>
<b><u>Residential DG</u></b>	
Existing and New PV RECs	9,542,924
Existing Wind RECs	10,512
Existing and New Solar Water Heater RECs	575,721
Allocated RECs From Joint AEPCO Plan	145,394
<b>Subtotal Trico RECs Residential DG</b>	<b>10,274,551</b>
IOU Target RECs – Residential	4,918,354
<b><u>Non-Residential DG</u></b>	
Existing PV RECs (UFI and PBI)	,4,025,048
New Installation PV RECs UFI	109,500
New Installations PV RECs PBI	10,309,146
AEPCO Unit	11,256
<b>Subtotal Trico RECs Non-Residential DG</b>	<b>14,454,950</b>
IOU Target RECs – Non-Residential	4,918,354
<b><u>Other Renewable (Non-DG)</u></b>	
SunWatts Sun Farm	442,349
<b>Total Trico RECs</b>	<b>25,171,850</b>
Trico Forecast kWh Sales – 2014	728,645,000

Exhibit  
“3”

Exhibit 3

Proposed Trico 2014 REST Plan Budget

Proposed 2014 REST Budget	
Program	Total
Residential PV UFI Rebates	\$109,050
Residential SWH Rebates	\$28,908
Non-Res PV UFI Rebates	\$2,000
Large-Scale PV PBI Program Rebates	\$507,608
<b>Subtotal Distributed Energy Cash Incentive Payments</b>	<b>\$647,566</b>
Educational Grant Program	\$2,500
Habitat for Humanity Program	\$5,000
PV for Schools Program	\$81,000
<b>Total Distributed Energy Costs</b>	<b>\$736,066</b>
<b>Total Generation Costs</b>	<b>\$0</b>
<b>Other Program Costs</b>	<b>\$258,842</b>
Administrative, R&D Expenses	\$211,932
Generation Meter Program	\$46,910
<b>Total REST Budget</b>	<b>\$994,908</b>

Exhibit  
“4”

**Exhibit 4**

**Calculation of 2014 REST Fund Recovery**

	Residential	Non-Res < 3 MW	Non-Res > 3 MW	Agricultural & Government	Total
<b>2013 rate with 2012 usage</b>					
Maximum Monthly Recovery Per Consumer	\$ 3.00	\$ 130.00	\$ 3,500.00	\$ 43.00	
Recovery Per kWh	\$ 0.005550	\$ 0.005550	\$ 0.005550	0.000971	
Maximum kWh Subject to Recovery	372	16,119	433,974	30,475	
kWh Billed in Recovery Block	202,792,572	44,547,846	0	42,769,048	290,109,466
Total kWh	412,783,685	108,963,962	51,238,253	87,635,079	660,620,979
Recovery kWh as % of Total kWh	49.12805%	40.88310%	0.00000%	48.80357%	43.91466%
Calculated 2012 Revenue	\$ 1,125,498.77	\$ 247,240.55	\$ -	\$ 41,528.75	\$ 1,414,268.07
Percent of Total	79.582%	17.482%	0.000%	2.936%	100.000%
<b>Proposed 2014 rate with 2012 usage</b>					
Maximum Monthly Recovery Per Consumer	\$ 2.00	\$ 100.00	\$ 2,000.00	\$ 30.00	
Recovery Per kWh	\$ 0.003820	\$ 0.003820	\$ 0.003820	0.000700	
Maximum kWh Subject to Recovery	524	26,178	523,560	42,857	
kWh Billed in Recovery Block	202,792,572	44,547,846	0	42,769,048	290,109,466
Total kWh	412,783,685	108,963,962	51,238,253	87,635,079	660,620,979
Recovery kWh as % of Total kWh	49.12805%	40.88310%	0.00000%	48.80357%	43.91466%
Calculated 2014 Revenue 2012 Billing Units	\$ 774,667.63	\$ 170,172.77	\$ -	\$ 29,938.33	\$ 974,778.73
Percent of Total	79.471%	17.458%	0.000%	3.071%	100.000%
<b>Proposed 2014 with projected usage</b>					
Maximum Monthly Recovery Per Consumer	\$ 2.00	\$ 100.00	\$ 2,000.00	\$ 30.00	
Recovery Per kWh	\$ 0.003820	\$ 0.003820	\$ 0.003820	\$ 0.000700	
Maximum kWh Subject to Recovery	524	26,178	523,560	42,857	
Projected growth	102.15%	102.15%	0.00%	102.15%	
kWh Billed in Recovery Block	207,157,452	45,506,688	0	43,689,603	296,353,743
Total kWh	421,668,385	111,309,288	72,972,003	89,521,325	695,471,001
Recovery kWh as % of Total kWh	49.12805%	40.88310%	0.00000%	48.80357%	42.61195%
Calculated 2014 Revenue 2012 Billing Units	\$ 791,341.47	\$ 173,835.55	\$ -	\$ 30,582.72	\$ 995,759.74
Percent of Total	79.471%	17.458%	0.000%	3.071%	100.000%
2014 Budget					\$ 994,907.56

Exhibit  
“5”

**Exhibit 5**

**Renewable Energy Customer Self-Directed Tariff**

**ORIGINAL**

**ELECTRIC RATES**

**TRICO ELECTRIC COOPERATIVE, INC.**

**8600 W. Tangerine Road**

**Marana, Arizona 85658**

**Filed By: Vincent Nitido**

**Title: CEO/General Manager**

**Effective Date: January 1, 2011**

**STANDARD OFFER TARIFF**

**RENEWABLE ENERGY CUSTOMER SELF-DIRECTED TARIFF  
SCHEDULE RESD**

**Background**

On November 14, 2006, the Arizona Corporation Commission ("Commission") issued Decision No. 69127 that contained a Renewable Energy Standard ("RES") that set forth annual renewable energy requirements for all affected electric utilities in the State of Arizona as well as a requirement that each affected electric utility file with the Commission for approval a RES Customer Self-Directed Option Tariff as defined below.

**Availability**

The RES Customer Self-Directed Option is available to single and three phase service for Non-Residential Members/Customers with multiple meters that pay more than \$25,000 annually in RES Surcharge funds pursuant to the Renewable Energy Standard Tariff for any number of related accounts or services within the Trico Electric Cooperative, Inc. ("Cooperative") service territory ("Eligible Customer").

**Application**

An Eligible Customer may apply to the Cooperative to receive funds to install Distributed Renewable Energy Resources. An Eligible Customer seeking to participate in this program shall submit to the Cooperative a completed application that describes the Renewable Energy Resources that it proposes to install and the projected cost of the project. An Eligible Customer shall provide at least half of the funding necessary to complete the project described in its application.

An Eligible Customer shall enter into a contract with the Cooperative that specifies, at a minimum the following information: the type of Distributed Generation ("DG") resource, its total estimated cost, kWh output, its completion date, the expected life of the DG system, a schedule of the Eligible Customer's expenditures and invoices for the DG system, Cooperative payments to an Eligible Customer for the DG system and the amount of a Security Bond or Letter of Credit necessary to ensure the future operation of the Eligible Customer's DG System, metering equipment, maintenance, insurance and related costs.

Before connection to the Cooperative's electrical system, an Eligible Customer's DG Resource shall meet all of the Cooperative's DG interconnection requirements and guidelines.

All Renewable Energy Credits derived from the project, including generation and extra credit multipliers, shall be applied to satisfy the Cooperative's Annual Renewable Energy Requirement.

The funds annually received by an Eligible Customer pursuant to this tariff may not exceed the amount annually paid by the Eligible Customer pursuant to the RES Surcharge Tariff.

APPROVED FOR FILING

DECISION #: 72086

Exhibit  
"6"

Exhibit 6

**Voluntary Renewable Energy Standard Program Tariff**

**ORIGINAL**

**ELECTRIC RATES**

**TRICO ELECTRIC COOPERATIVE, INC.**

8600 W. Tangerine Road

Marana, Arizona 85658

Filed By: Vincent Nitido

Title: CEO/General Manager

Effective Date: January 1, 2011

**VOLUNTARY RENEWABLE ENERGY STANDARD PROGRAM TARIFF  
SCHEDULE VRES**

Availability

The Renewable Energy Standard ("RES") Voluntary Contribution Program is available to all member/customers of Trico Electric Cooperative, Inc. ("Cooperative") who wish to contribute funds in support of the construction and acquisition of renewable resources.

Background

On November 14, 2006, the Arizona Corporation Commission ("Commission") issued Decision No. 69127 that contained a Renewable Energy Standard ("RES") that set forth annual renewable energy requirements for all affected electric utilities in the State of Arizona. The RES Plan may be modified from time to time on further application to the Commission. Funds to support the RES Plan are collected by the Cooperative pursuant to Commission Rules and applicable RES Surcharge tariffs and are remitted to Cooperative for expenditure in accordance with the terms of the approved RES Plan. The purpose of this RES Voluntary Contribution Program is to allow member/customers an option to contribute additional amounts if they desire in support of the RES Plan.

Contribution Program

Participation in the Contribution Program is voluntary. Any member/customer desiring to participate in the Contribution Program may do so by completing and returning to the Cooperative a form supplied by the Cooperative specifying the amount of the monthly contribution. Member/customers may purchase 50 kWh blocks of green energy for an additional cost of \$2.00 per block. The amount of the cost of the blocks selected will then be added to the member/customer's bill on a monthly basis. All monthly contributions associated with this tariff shall be utilized to permit the participation in the Contribution Program. Member/customers may cancel their participation in the Contribution Program at any time by notifying the Cooperative at least 30 days in advance of the member/customer's billing date of their decision to cancel effective as to such billing date on a form supplied by the Cooperative.

Elections to participate or to cancel participation in the Contribution Program may only be by completion of applications on forms supplied by the Cooperative, which are available at the Cooperative's main office or on the Cooperative's website.

APPROVED FOR FILING  
DECISION #: 72086

Exhibit  
“7”

Exhibit 7

**Renewable Energy Standard Tariff**

ELECTRIC RATES

TRICO ELECTRIC COOPERATIVE, INC.  
8600 W. Tangerine Road  
Marana, Arizona 85658  
Filed By: Vincent Nitido  
Title: CEO/General Manager

Effective Date: January 1, 2014

STANDARD OFFER TARIFF

**RENEWABLE ENERGY STANDARD TARIFF  
SCHEDULE RES**

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**Background**

On November 14, 2006, the Arizona Corporation Commission ("Commission") issued Decision No. 69127 that contained a Renewable Energy Standard ("RES") which set forth annual renewable energy requirements for all affected electric utilities in the State of Arizona as well as a requirement that each affected electric utility file with the Commission for approval a RES Tariff to fund such renewable energy requirements.

**Availability**

In the Cooperative's Certificated Area where its facilities are of adequate capacity and the required phase and suitable voltage are in existence and are adjacent to the premises served.

**Application**

On all bills for all governmental and agricultural members/customers with multiple meters, a Renewable Energy Standard Surcharge mandated by the Arizona Corporation Commission ("Commission") will be assessed monthly at the lesser of the per kilowatt-hour of retail electricity purchased by the consumer, or the maximum, both as stated below. In the case of unmetered services, Trico Electric Cooperative, Inc. ("Cooperative") shall, for purposes of billing the RES Surcharge and subject to the maximum assessment set forth herein, use the lesser of (i) the load profile or otherwise estimated kWh required to provide the service in question; or (ii) the service's contract kWh.

**Monthly Rate**

Customer	kWh	Maximum
Governmental and Agricultural	\$0.000700	\$30.00

**Application**

On all bills in all other tariff service categories than those listed above, an RES Surcharge mandated by the Commission will be assessed monthly at the lesser of the per kilowatt-hour of retail electricity purchased by the consumer, or the maximum stated below.

In the case of unmetered services, the Cooperative shall, for purposes of billing the RES Surcharge and subject to the maximum assessment set forth herein, use the lesser of (i) the load profile or otherwise estimated kWh required to provide the service in question; or (ii) the service's contract kWh.

**Monthly Rate**

<b>Customer</b>	<b>kWh</b>	<b>Maximum</b>
Residential	\$0.003820	\$2.00
Non-Residential	\$0.003820	\$100.00
Non-Residential whose metered demand is 3,000 kW or more for 3 consecutive months	\$0.003820	\$2,000.00

The RES Surcharge is in addition to all other rates and charges applicable to service to the member/customer.

# Exhibit “8”

Exhibit 8

Net Metering Tariff

**ORIGINAL**

ELECTRIC RATES

TRICO ELECTRIC COOPERATIVE, INC.

8600 W. Tangerine Road

Marana, Arizona 85653

Filed By: Vincent Nitido

Title: General Manager/CEO

Effective Date: January 26, 2010

STANDARD OFFER TARIFF

NET METERING TARIFF  
SCHEDULE NM

Availability

Net Metering service is available to all customers of Trico Electric Cooperative, Inc. (Cooperative) with a qualifying Net Metering Facility. Participation under this schedule is subject to availability of enhanced metering and billing system upgrades. The electric energy generated by or on behalf of the customer from a qualifying Net Metering Facility and delivered to the Cooperative's distribution facilities may be used to offset electric energy provided by the Cooperative during the applicable billing period.

Net Metering Facility means a facility for the production of electricity that:

- a. Is operated by or on behalf of the customer and is located on the customer's premises;
- b. Is intended primarily to provide part or all of the customer's requirements for electricity;
- c. Uses Renewable Resources, a Fuel Cell or CHP (as defined below);
- d. Has a generating capacity less than or equal to 125% of the customer's total connected load, or in the absence of customer load data, capacity less than or equal to the customer's electric service drop capacity; and
- e. Is interconnected with and can operate in parallel and in phase with the Cooperative's existing distribution system.

Service under this tariff is available provided the rated capacity of the customer's Net Metering Facility does not exceed the Cooperative's service capacity. The customer shall comply with all of the Cooperative's interconnection standards. The customer is also required to sign and complete a net metering application prior to being provided Net Metering Service.

Net Metering Facilities with generation capacity that exceeds 1,000 kilowatts, which are interconnected presently, or desire to become interconnected, may, at Arizona Electric Power Cooperative's option, be subject to the negotiated terms and conditions set forth in multilateral contracts among the customer, Arizona Electric Power Cooperative, Southwest Transmission Cooperative and the Cooperative.

Metering

Metering installed for the service provided under this tariff shall be capable of registering and accumulating the kilowatt-hours (kWh) of electricity flowing in both directions in a billing period.

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DECISION #: 71462

# ORIGINAL

## NET METERING TARIFF SCHEDULE NM

### Monthly Billing

If the kWh energy supplied by the Cooperative exceeds the kWh energy that are generated by the customer's Net Metering Facility and delivered back to the Cooperative during the billing period, the customer shall be billed for the net kWh energy supplied by the Cooperative in accordance with the rates and charges under the customer's Standard Rate Schedule.

If the kWh energy generated by the customer's Net Metering Facility and delivered back to the Cooperative exceeds the kWh energy supplied by the Cooperative in the billing period, the customer shall be credited during subsequent billing periods for the excess kWh energy generated. The Cooperative shall apply the credit by using the excess kWh energy generated during the billing period to reduce the kWh energy supplied (not kW or kVA demand or customer charges) and billed by the Cooperative during the subsequent billing periods.

Customers taking service under time-of-use rates who are to receive credit in a subsequent billing period for excess kWh energy generated shall receive such credit during the following billing periods during the on- or off- peak periods corresponding to the on- or off- peak periods in which the kWh energy were generated by the customer.

Each Calendar Year, for the customer bills produced in October (September usage) or in the last billing period that the customer discontinues service under this tariff, the Cooperative shall issue a check or billing credit to customers with Net Metering Facilities for the balance of any credit due in excess of amounts owed by the customer to the Cooperative for Non-Firm Power. The payment for any remaining credits shall be at the Cooperative's Annual Average Avoided Cost. The Cooperative's Annual Average Avoided Cost shall be set at \$0.04205 per kWh. Any payment for Firm Power will be pursuant to a separate contract.

### Administrative Charge

In order to determine accurate billing and usage, net metering customers will need to have interval meter data available (minimum data collection of every half hour). This information is needed to ensure accurate billing and to calculate the net kWh energy billed or credited to the customer's account. The following table shows the incremental costs for the increased data collection applicable to all rate classes.

Administrative Charge	Monthly Rate
Monthly Data Cost	\$3.38

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DECISION #: 71462

# ORIGINAL

## NET METERING TARIFF SCHEDULE NM

### Definitions

1. Annual Average Avoided Cost: Defined as the average annual wholesale fuel and energy costs per kWh energy purchased from the Cooperative's wholesale power supplier during the calendar year. The Cooperative's Annual Average Avoided Cost shall be set at \$0.040205 per kWh.
2. Calendar Year: The Calendar Year is defined as October 1 through September 30, for the purpose of determining the billing credit for the balance of any credit due in excess of amounts owed by the customer to the Cooperative.
3. Renewable Resource: Means natural resources that can be replenished by natural processes, including biomass, biogas, geothermal, hydroelectric, solar or wind.
4. Combined Heat and Power or CHP: Means a system that generates electricity and useful thermal energy in a single, integrated system such that the useful power output of the facility plus one-half the useful thermal energy output during any 12-month period must be no less than 42.5 percent of the total energy input of fuel to the facility (also known as cogeneration).
5. Fuel Cell: Means a device that converts the chemical energy of a fuel directly into electricity without intermediate combustion or thermal cycles. The source of the chemical reaction must be from Renewable Resources.
6. Non-Firm Power: Electric power which is supplied by the customer's generator at the customer's option, where no firm guarantee is provided, and the power can be interrupted by the customer at any time.
7. Firm Power: Electric power available from the customer's facilities, upon demand, at all times with an expected or demonstrated reliability that is covered by a separate multiparty purchase agreement among the customer, the Cooperative, Arizona Electric Power Cooperative and Southwest Transmission Cooperative.
8. Time Periods: Mountain Standard Time shall be used in the application of this rate schedule. On-peak and off-peak time periods will be determined by the applicable Standard Rate Schedule.
9. Standard Rate Schedule: Any of the Cooperative's retail rate schedules with metered kWh charges.

APPROVED FOR FILING  
DECISION #: 71462

Exhibit  
“9”

Exhibit 9

SunWatts Sun Farm Tariff

**ORIGINAL**

ELECTRIC RATES

TRICO ELECTRIC COOPERATIVE, INC.

8600 W. Tangerine Road

Marana, Arizona 85658

Filed By: Vincent Nitido

Title: CEO/General Manager

Effective Date: January 1, 2011

STANDARD OFFER TARIFF

SUNWATTS SUN FARM TARIFF  
SCHEDULE RESF

Background and Availability

The Arizona Corporation Commission ("Commission") approved the Renewable Energy Standard and Tariff Rules ("REST Rules") in Decision No. 69127 dated November 14, 2006, which set out the renewable energy requirements for all affected electric utilities in the State of Arizona. Trico Electric Cooperative, Inc. ("Cooperative") has prepared a REST Plan which provides for rebate support of customer owned renewable resources and larger scale renewable resources. The REST Plan may be modified from time to time on further application to the Commission.

The Residential Community Solar Demonstration Project Voluntary Purchase Program ("SunWatts Sun Farm") is part of the Cooperative REST Plan and is available to all RS1, RS1TOU, GS1, GS2 and GS3 customers of the Cooperative who wish to participate in support of renewable resources through purchase of energy output from the installation of a Cooperative-owned Photovoltaic (PV) generation facility. A customer may purchase panel output up to but not to exceed their average monthly kWh energy usage in the last twelve month period up to a maximum of 10,000 watts per customer.

The Sun Watts Sun Farm is designed to produce 227,000 watts and is located at the Cooperative office facility at 8600 W. Tangerine Road, Marana, Arizona 85658. The Cooperative plans to utilize all proceeds associated with this tariff for future expansion of the SunWatts Sun Farm through construction of additional SunWatts Sun Farm renewable resources.

Program

The SunWatts Sun Farm provides for voluntary participation by residential and small commercial customers which may benefit renters and other members who cannot install renewable resources on their property, to customers that want to expend only a small amount of initial capital on renewable energy.

Any customer desiring to participate in the SunWatts Sun Farm must complete and return an application. Participation shall be on a first-come, first-serve basis until the full output of the facility is assigned. Each applicant awarded panel output will enter into a purchase contract with the Cooperative, which will specify the rights and obligations of the arrangements for a twenty year term.

Customers may purchase the output of PV panels from the SunWatts Sun Farm in ¼, ½ and full panel increments. The customer will be billed the full cost of the panels contracted as a one-time up-front charge.

The customer will receive a credit for the energy output of the panel(s), estimated to be 432 kWh per year, per panel, in accordance with the rates and charges under the customer's Standard Rate Schedule in a similar fashion as the Cooperative's Net Metering Tariff Schedule NM. The Cooperative will apply the credit to the customer's monthly bill for the 20 year term of the purchase contract or until such time as the customer's purchase contract is terminated or the customer assigns some or all of the solar panels subject to a purchase contract subject to the Cooperative's

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DECISION #: 7208a

# ORIGINAL

written approval. The Cooperative shall retain the rights to all the Renewable Energy Credits (RECs) produced by the Sun Watts Sun Farm.

Pricing of the Sun Watts Sun Farm panels is described in the table below:

Panel Size	Cost
Quarter Panel	\$230
One Half Panel	\$460
Full Panel	\$920

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FEBRUARY 20 2010

Exhibit  
"10"

**Exhibit 10**

**Required Reporting Information**

**IMPLEMENTATION PLAN**

**Table 1 - Targeted Resources<sup>2</sup>**

Line No.	Targeted Generation Resources:	Ownership <sup>1</sup>	Targeted Completion	2014 Total MW	Targeted Energy Production (MWh or Equivalent)					
					2014	2015	2016	2017	2018	Total
1	<b>Solar:</b>	N/A								
2										
3										
4										
5	<b>Wind:</b>	N/A								
6										
7										
8	<b>Geothermal:</b>	N/A								
9										
10										
11	<b>Biomass/Biogas:</b>	N/A								
12										
13										
14										
15										
16										
17										
18										
19	<b>Total Targeted Generation</b>	N/A								
20	<b>Targeted Distributed Energy Resources:</b>									
21	<b>Residential:</b>									
22	PV	N/A	N/A	1.09	2,388					2,388
23	Wind	N/A	N/A	-	-					-
24	Solar Water Heating	N/A	N/A	0.03	72					72
25	<b>Subtotal Residential</b>			<b>1.12</b>	<b>2,460</b>					<b>2,460</b>
26	<b>Non-Residential:</b>									
27	PV-UFI	N/A	N/A	0.05	110					110
28	PV-PBI	N/A	N/A	5.30	10,309					10,309
29										
30										
31										
32	<b>Subtotal Non-Residential</b>			<b>5.35</b>						<b>10,419</b>
33	<b>Total Targeted DE</b>			<b>6.47</b>						<b>12,879</b>
34										

**Notes:**

<sup>1</sup> All utility-owned and Third Party generation projects are developed through a competitive RFP process, and all DE systems are built independently by Third Party developers and installers.  
<sup>2</sup> Per the Report on Renewable Energy Standard (RES) Plan Formats, this table focuses exclusively on new resources proposed or expected to be added across the Implementation Plan period. No prior installation information is included.

**IMPLEMENTATION PLAN**

**Table 2 - Targeted RES Resource Costs (in \$/M)**

**COMPETITIVELY CONFIDENTIAL<sup>1</sup>**  
**Projected RES Cost per Year<sup>2</sup>**

Line No.	Targeted Generation Resources:	Ownership	2014	2015	2016	2017	2018	Total	Line No.
1									1
2	<b>Solar:</b>	N/A							2
3									3
4									4
5									5
6	<b>Wind:</b>	N/A							6
7									7
8									8
9									9
10	<b>Geothermal:</b>	N/A							10
11									11
12									12
13	<b>Biomass/Biogas:</b>	N/A							13
14									14
15									15
16	<b>Subtotal Targeted Generation</b>								16
17									17
18	<b>Targeted and Expected Distributed Energy Resources<sup>2</sup>:</b>								18
19									19
20	<b>Residential:</b>								20
21	PV		0.109	N/A	N/A	N/A	N/A	0.109	21
22	Wind		-	N/A	N/A	N/A	N/A	-	22
24	Solar Water Heating		0.029	N/A	N/A	N/A	N/A	0.029	24
27	<b>Subtotal Residential</b>		0.138					0.138	27
28									28
29	<b>Non-Residential:</b>								29
30	PV-UFI		0.002	N/A	N/A	N/A	N/A	0.002	30
31	PV-PBI		0.304	N/A	N/A	N/A	N/A	0.304	31
32									32
33									33
34									34
35	<b>Subtotal Non-Residential</b>		0.306					0.306	35
36									36
37	<b>Subtotal Targeted Distributed Energy</b>		0.444					0.444	37
38									38
39	<b>Total Targeted Energy Costs</b>		0.444					0.444	39

<sup>1</sup> Redacted due to the competitively confidential nature of the information.

<sup>2</sup> Data reflects only RES-attributable costs (i.e. incentives).