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ARIZONA CORPORATION COMMISSION  
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Docket Control  
Arizona Corporation Commission  
1200 W. Washington  
Phoenix, AZ 85007

April 1<sup>st</sup>, 2013

Re: Navopache Electric Cooperative, Inc REST Compliance  
Report for January 2012 – December 2012  
Docket No. E-1787A-11-0018

Pursuant to A.A.C. R14-2-1812 (A) & (B), enclosed is the Navopache Electric Cooperative, Inc. (NEC) REST Compliance Report covering the time period January 1, 2012 through December 31, 2012.

Please feel free to contact me if you have any questions.

Respectfully,

A handwritten signature in black ink, appearing to read "Heather McInelly", is written over a horizontal line.

Heather McInelly  
Navopache Electric Cooperative  
Renewable Resources Specialist  
Phone: 928-368-1211

Arizona Corporation Commission  
DOCKETED

APR 02 2013

DOCKETED BY  
A rectangular stamp with the text "DOCKETED BY" at the top. Below the text, there are two handwritten initials: "VM" on the left and "JM" on the right.

Cc: Brian Bozzo  
Michael Curtis, NEC General Counsel  
John Wallace, Director of Regulatory & Strategic Services

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A Touchstone Energy® Cooperative The logo for Touchstone Energy, which consists of a stylized sun or star shape with a central dot.



**Renewable Energy Standard and Tariff  
Compliance Report  
Compliance Year 2012**

**Submitted April 1, 2013**

**Navopache Electric Cooperative, Inc.  
Renewable Energy Standard and Tariff  
Compliance Report  
Compliance Year 2012**

**INTRODUCTION**

Pursuant to A.A.C. R14-2-1812, Navopache Electric Cooperative, Inc. (NEC) submits this compliance report for calendar year 2012.

**EXECUTIVE SUMMARY**

The REST Plan uses surcharge dollars from the NEC Commission-approved retail tariffs to support programs for developing renewable facilities, purchasing renewable energy and participation in large-scale renewable generation projects. Funds may also be used for administration, advertising and educational activities.

R14-2-1814 provides that, upon Commission approval of NEC's REST Plan, its provisions substitute for the Annual Renewable Energy and Distributed Renewable Energy requirements of Rules 1804 and 1805, respectively.

**2012 INSTALLATIONS AND ENERGY GENERATED**

In 2012, 66 new Photovoltaic ("PV") systems were installed in NEC's service area for a total installed capacity of 486.96 kW. Additionally, of these new systems, 66 are distributed generation (60 residential and 6 commercial).

In 2012, 1 new solar water heating systems was installed in NEC's service area. This new system is expected to save approximately 4,242 kWh per year (as determined by the OG-300 rating program).

These additions bring the total number of renewable generation installations in NEC's service area by the end of 2012 to 196. This includes 4 utility owned PV installations (a total installed capacity of 284 kW) 165 member owned PV installations (a total installed capacity of 1141.3 kW), 9 wind installations with a total capacity of 9.4 kW, and 18 solar water heating installations expected to save approximately 51,891 kWh per year.

## **2012 REQUIRED REPORTING INFORMATION**

The ACC requested that the Electric Utilities develop a standard REST reporting format. NEC submits the following tables to meet this requirement (see attached tables).

Table 1a – Renewable Resources  
Table 1b – Compliance Summary  
Table 2b – RES Cash Incentive Costs

The following tables were not included because they are not applicable to the Commission approved NEC REST program.

Table 2a - RES Resource Costs  
Implementation Plan Table 1 – Targeted Resources  
Implementation Plan Table 2 – Targeted RES Resources Costs

Compliance Report - Energy

Table 1a - Renewable Resources

Resource	Technology	Ownership	MWac <sup>1</sup>	MWdc <sup>1</sup>	Production (Actual) + (Annualized) <sup>2</sup>	Multiplier Credits	Total MWh or Equivalent
<b>GENERATION:</b>							
	Grid-Tied Photovoltaic	NEC		0.076	166		166
<i>Gross Total (if needed)</i>							
<i>Adjustments (if needed)</i>							
<b>Subtotal Generation</b>				<b>0.076</b>	<b>166</b>		<b>166 (A)</b>
<b>DISTRIBUTED ENERGY (DE):</b>							
<i>Residential:</i>							
	Photovoltaic	Member		0.9337	2,045		2,045
	Solar Hot Water Heating	Member		0.0237	52		52
	Wind	Member		0.0094	21		21
	Grid-Tied Photovoltaic	NEC		0.2080	456		456
<i>Gross Total (if needed)</i>							
<i>Adjustments (if needed)</i>							
<b>Subtotal Residential</b>				<b>1.175</b>	<b>2,573</b>		<b>2,573 (B)</b>
<i>Non-Residential:</i>							
	Photovoltaic	Member		0.208	456		456
<i>Gross Total (if needed)</i>							
<i>Adjustments (if needed)</i>							
<b>Subtotal Non-Residential</b>				<b>0.208</b>	<b>456</b>		<b>456 (C)</b>
<b>Subtotal Distributed Energy (B + C)</b>				<b>1.383</b>	<b>3,029</b>		<b>3,029 (D)</b>
<b>Total RES Resources (A + D)</b>				<b>1.459</b>	<b>3,195</b>		<b>3,195 (E)</b>
<b>Total MWac equivalent<sup>3</sup></b>							

Notes to Table 1:

<sup>1</sup> Generation capacity is generally reported in MWac and DE is generally reported in MWdc.

<sup>2</sup> Assumes 2190 kWh per installed kW for non-metered or current year installed residential PV systems, and 2190 kWh per installed kW for similar non-residential systems.

<sup>3</sup> Represents the total RES portfolio capacity in MWac. Assumes a 0% dc-ac conversion factor applied to MWdc capacity.

## Compliance Report - Energy

### Table 1b - Compliance Summary

Category	Metric	%	Compliance Measure (MWh)	RES Resources (MWh or Equivalent)
*Retail Sales	393,791	1.00%	3,938	3,938 (F)
Prior year carrying balance <sup>1</sup>				(E)
2012 Total RES Resources [From (E) in Table 1a]				3,195 (E)
2012 Total RES Requirement	N/A			
DE Requirement	N/A			
DE Sub-Requirements:				
Residential DE	N/A			(G)
Non-Residential DE	N/A			(H)
Non-DE Target	N/A			(I)
Resources Used for 2012 Compliance (G + H + I)				(J)
<b>End 2012 carrying balance (F + E - J)</b>				<b>743</b> (K)

#### Notes to Table 1b:

<sup>1</sup>The RES-eligible resource carrying balance is accounted for using FIFO methodology, wherein the entire carrying balance is applied to the RES requirement and the year-end carrying balance consists of current year remaining resources.

\* Actual 2012 AZ Retail Sales

