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Tucson Electric Power Company

One South Church Ave., P.O. Box 711
Tucson, Arizona 85702

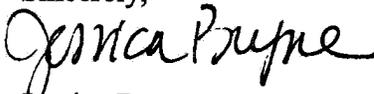
April 1, 2011

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, AZ 85007

Re: Decision No. 71465, Docket No. E-01933A-09-0340
2011 Renewable Energy Standard and Tariff Compliance Report

Pursuant to A.A.C. R14-2-1812, each Affected Utility shall file with Docket Control a report that describes its compliance with the requirements of the Renewable Energy Standard and Tariff ("REST") Rules. Decision No. 71465 (January 26, 2010) approved Tucson Electric Power Company's ("TEP") 2010 REST Plan. Please find enclosed an original and thirteen copies of TEP's 2011 REST Compliance Report for year-end 2010. This report contains confidential information that is being provided to Arizona Corporation Commission Staff separately.

If you have questions or comments please contact me at (520) 884-3680.

Sincerely,

Jessica Bryne
Regulatory Services

Enclosures: Compliance Report

cc: Compliance, ACC
Shannon Kanlan, ACC

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ARIZONA CORPORATION COMMISSION

Tucson Electric Power Company

Response to R14-2-1812 Utility Reporting Requirements

of the

Arizona Corporation Commission

RENEWABLES DATA FOR YEAR-END 2010



A UnSource Energy Company

P.O. Box 711

Tucson, Arizona 85702

Tucson Electric Power Company 2010 REST Compliance Report

Executive Summary

This report covers Tucson Electric Power Company's ("TEP") Renewable Energy Standard and Tariff ("REST") progress from January 1, 2010, through December 31, 2010. TEP's specific REST target for this period was 232,294,700 Renewable Energy Credits ("REC"). That amount represents 2.5% of TEP's retail energy sales for 2010, which was 9,291,788,000 kilowatt-hours ("kWh").¹ The REST requires that 20% of those RECs be met through distributed energy ("DE") renewable resources, which represents a total of 46,458,940 ("kWh"). Of the 20% met through DE resources, 50% must come from residential customer systems and 50% must come from non-residential, non-utility applications. The remaining portion of the REST required RECs for 2010, 80% or 185,835,760 kWh, comes from utility-scale renewable energy resources.

TEP far exceeded its 2010 utility-scale REC requirement with 347,484,897 available RECs. Of these, 185,835,760 were retired to meet compliance. Included in this number are RECs that were carried over (not retired) from 2009 as well as RECs purchased in 2010. RECs in excess of what is needed for compliance will be carried forward for use in future years.

DE reservations exceeded compliance requirements in all categories at 122% compliant. Annualized-actual production compliance in 2010 increased dramatically over 2009 by 168% and reached 65% compliant excluding outstanding customer projects still in construction. TEP expects this type of annualized-actual increase to continue into 2011 and 2012 as reserved customer-sited projects continue to come on line and the average development time of larger projects continues to decline.

As required by Decision No. 70233 (December 10, 2010), TEP is required to report a list of any cases within the previous three calendar years where TEP has received damages or other considerations as a result of non-compliance related to RES contracts. TEP has had no such cases in the previous three years.

TEP shall also disclose, as part of future annual REST plan filings, whether its affiliates, its employees, or its directors have any direct financial or other interest in renewable energy projects that are owned or whose output is contracted for by TEP. No affiliates, employees, or directors have any direct financial or other interest in renewable energy projects that are owned or whose output is contracted for by TEP.

1.0 REST Requirements

The REST Rules as contained in Arizona Administrative Code R14-2-1801 became effective August 14, 2007 following approval from the Arizona Corporation Commission ("Commission"). Among other things, the REST rules require TEP to generate or purchase at least 15% of its total annual retail energy requirements from eligible renewable energy resources by 2025, with smaller amounts required in earlier years. The Commission determined that the REST should supersede the then existing Environmental Portfolio Standard ("EPS"), which like REST, was designed to encourage development of renewable generation. When the REST supplanted the EPS, the Commission ordered that all remaining EPS funds be transferred to the REST program and that TEP be released from all EPS requirements. Accordingly, some of the RECs generated during the EPS program were transferred to the REST compliance period. TEP's first REST Implementation Plan was approved by the Commission in Decision No. 70314 (April 28, 2008), and became effective on June 1, 2008. At that time, the RES Tariff was added to customer bills. After this date, the REST compliance period began, and the EPS compliance period ended.

¹ One renewable energy credit, or REC, is equivalent to one kWh of production from an eligible renewable energy resource. Except for RECs from distributed energy resources, in order to receive credit for energy from an eligible renewable energy resource, the energy must be delivered to retail customers.

Tucson Electric Power Company 2010 REST Compliance Report

Table 1.1 – The REST mandate from 2008 to 2025 as required percentages of retail sales

Year	REST Requirement	Year	REST Requirement
2008	1.75% (10% DG)	2017	7.00% (30% DG)
2009	2.00% (15% DG)	2018	8.00% (30% DG)
2010	2.50% (20% DG)	2019	9.00% (30% DG)
2011	3.00% (25% DG)	2020	10.00% (30% DG)
2012	3.50% (30% DG)	2021	11.00% (30% DG)
2013	4.00% (30% DG)	2022	12.00% (30% DG)
2014	4.50% (30% DG)	2023	13.00% (30% DG)
2015	5.00% (30% DG)	2024	14.00% (30% DG)
2016	6.00% (30% DG)	2025	15.00% (30% DG)

Source: Renewable Energy Standard and Tariff, Section R14-2-1804 and R14-2-1805

Table 1.2 – 2010 compliance requirements by category in kWh

Category	kWh Goal
Jan - Dec 2010 TEP Retail Sales	9,291,788,000
REST Target @ 2.5% of Retail Sales	232,294,700
Distributed Energy @ 20% of REST Goal, including:	46,458,940
50% Residential DE	23,229,470
50% Non-Residential, Non-Utility DE	23,229,470
Utility Scale @ 80% of REST Goal	185,835,760

Tucson Electric Power Company 2010 REST Compliance Report

Table 1.3 – kWh of energy or equivalent obtained from eligible renewable energy resources for Utility-Scale and Distributed Energy

TEP 2010 RECs:

	Category	Production (kWh)	REST Multiplier(s) Applied	Multiplier Value	Extra Credits (from multipliers)	Total RECs	
Utility-Scale (Non-Distributed Energy)	Landfill Gas	18,280,332	In-State Manufacturing and Installation Content	0.06	1,096,820	19,377,152	
	Global Solar		Manufacturing Partial Credit	2,190 * kW capacity produced and sold in 2010	8,688,154	8,688,154	
		5,997,822	Annual kWh Production				
	Springerville Solar			In-State Manufacturing and Installation Content	0.5 * % in-state cost	417,387	
				In-State Power Plant Installation Credit	0.5	2,998,911	
				Distributed Generation Credit	0.5	N/A	
				Subtotal			9,414,120
	OHDMP Projects		206,501	Annual kWh Production			
				In-State Manufacturing and Installation Content	0.5 * % in-state cost	24,155	
				In-State Power Plant Installation Credit	0.5	103,250	
				Distributed Generation Credit	0.5	N/A	
			Subtotal			333,906	
	Other Short Term Purchases	145,296,000	Annual kWh Production			N/A	145,296,000
Total Non-DE Production	169,780,655						
Subtotal Non-DE RECs						183,109,332	
Distributed Energy		8,093,312	Annual kWh Production				
	Solar PV (Residential)			In-State Manufacturing and Installation Content	0.15	97,470	
				In-State Power Plant Installation Credit	0.5	324,901	
				Distributed Generation Credit	0.5	324,901	
				Subtotal			8,840,583
	Solar Hot Water (Residential)	3,381,546	Annual kWh Production			3,381,546	
	GreenWatts (Commercial)		293,685	Annual kWh Production			
				In-State Manufacturing and Installation Content	0.5 * % in-state cost	25,202	
				In-State Power Plant Installation Credit	0.5	146,842	
				Distributed Generation Credit	0.5	146,842	
			Subtotal			612,572	
	Wind (Commercial)	4,229	Annual kWh Production		N/A		4,229
	Solar PV (Small Commercial)	698,388	Annual kWh Production		N/A		698,388
Solar PV (Large Commercial)	10,285,836	Annual kWh Production		N/A		10,285,836	
Solar Hot Water (Commercial)	22,547	Annual kWh Production		N/A		22,547	
Total DE Production	22,779,542						
Subtotal DE RECs						23,846,701	
Summary	Total DE RECs To Be Retired						23,846,701
	Total 2010 Non-DE RECs						183,109,332
	Carryover Non-DE RECs from 2009						164,375,565
	Total (Non-DE 2010 new production + 2009 carryover)						347,484,897
	Total Non-DE Retired in 2010						185,835,760
Total Non-DE Carryover to 2011						161,649,137	

Tucson Electric Power Company 2010 REST Compliance Report

TEP reports DE production in three compliance scenarios: (1) metered production from currently installed systems; (2) production that is annualized to more accurately reflect currently installed systems; and (3) the annualized production from currently installed *plus* the annualized production of reserved systems in construction to fully reflect the most accurate compliance picture.

Table 1.4 – DE kWh equivalent obtained from actual production; from production normalized to reflect a full year’s production; and also to demonstrate the reserved kWh equivalent

	Residential			Commercial			Total DE kWh		
	Actual (Actual production Jan-Dec 2010)	Annualized (production prorated Jan-Dec for current systems)	Annualized production + Annualized Reservations	Actual (Actual production Jan-Dec 2010)	Annualized (production prorated Jan-Dec for current systems)	Annualized production + Annualized Reservations	Actual (Actual production Jan-Dec 2010)	Annualized (production prorated Jan-Dec for current systems)	Annualized production + Annualized Reservations
Installed kWh	11,474,858	17,368,046	23,950,459	11,304,684	12,705,615	32,541,432	22,779,542	30,073,661	56,491,891
Required kWh	23,229,470	23,229,470	23,229,470	23,229,470	23,229,470	23,229,470	46,458,940	46,458,940	46,458,940
% Compliance met	49%	75%	103%	49%	55%	140%	49%	65%	122%

2.0 Generation Capacity and Technology

The REST rules allow for a variety of renewable technologies to be utilized for compliance. TEP’s utility scale efforts are strategically designed to minimize resource costs to consumers, capture economy of scale, utilize proven technologies, have a benefit to Tucson area residents, rely very little on transmission capacity, and have a sustainable environmental footprint. DE projects are not controlled by TEP and customers have graduated toward almost exclusively solar PV and solar water heating. The industrial market place in TEP’s service territory is moving more toward chilling and cogeneration or hybrid PV and water heating. TEP promotes technologies that provide the most cost-effective RECs.

Tucson Electric Power Company 2010 REST Compliance Report

Table 2.1 – Generation capacity disaggregated by technology type

Technology Type	kW Capacity, Cumulative	2010 kW Capacity, New	2010 Actual kWh production	Annualized kWh production
Utility Scale:				
Solar PV	8,312	3,400	5,997,822	14,610,400
Landfill Gas	5,000	n/a	18,280,332	18,280,332
Subtotal Utility Scale	13,312	3,400	24,278,154	32,890,732
Distributed Energy:				
Solar PV	16,605	11,594	19,371,220	30,870,569
Solar Thermal	1,085	418	3,404,093	2,984,413
Wind	12	12	4,229	15,600
Subtotal DE	17,702	12,024	22,779,542	33,870,581
TOTALS	31,014	15,424	47,057,696	66,761,313

3.0 REST Costs, Surcharges, and Expenditures

The costs of the REST are covered by revenue collected from the REST surcharge on customer bills. These caps are set by the Commission and vary by customer class. The surcharge is set to collect the money required to cover the Commission approved REST budget. TEP prepares the budget as a part of its annual implementation plan filing.

Tucson Electric Power Company 2010 REST Compliance Report

Table 3.1 – 2010 Commission approved REST line-item budget

	2010 Budget REST Collections (\$)	2010 Budget Expenditures (\$)
To Be Recovered Through REST Charges	\$ 31,803,701	
2008 & 2009 REST Funding Carried Forward	12,048,727	
REST Expenditures		
Purchased Renewable Energy		
<i>Above Market Cost of Conventional Generation</i>		\$ 11,331,633
<i>Transmission Direct Use Cost</i>		480,000
<i>Grid Management Ancillary Services</i>		200,000
<i>Other</i>		120,000
Customer Sites Distributed Renewable Energy		
<i>Up-Front Payments Customers</i>		21,988,706
<i>Production Based Payments to Customer</i>		5,369,000
<i>Builder Credit Purchase Program</i>		700,000
<i>Outreach Efforts</i>		750,000
<i>Other</i>		1,342,000
Information Systems		
<i>Net Metering</i>		375,000
<i>Reporting</i>		144,078
<i>Outside Coordination and Support, Research and Development</i>		175,000
<i>Support to University Research</i>		250,000
<i>Other</i>		177,000
Renewable Energy Hardware Development		
<i>Technology Development Projects</i>		400,000
<i>Other</i>		50,000
Total	\$ 43,852,428	\$ 43,852,417

Part of the annual budget process is creating an estimate of the surcharges by customer class. Because these customer REST surcharges are paid in correspondence with actual kWh used by the customer, the estimated surcharges will differ from actual collections in accordance with the variance from forecast customer consumption and actual kWh consumption.

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Table 3.2 – Actual surcharge collected from customers, by customer class in 2010

Date	Residential	Small General Service	Large General Service	Large Light & Power & Mining	Total
Jan-10	\$1,306,749.35	\$707,480.01	\$189,943.62	\$60,157.55	\$2,264,330.53
Feb-10	\$982,451.45	\$918,648.49	\$377,469.73	\$119,320.08	\$2,397,889.75
Mar-10	\$1,138,443.16	\$1,006,573.69	\$425,517.52	\$130,424.07	\$2,700,958.44
Apr-10	\$1,055,975.09	\$988,379.27	\$411,705.31	\$134,639.37	\$2,590,699.04
May-10	\$970,431.95	\$943,314.37	\$377,077.87	\$136,273.10	\$2,427,097.29
Jun-10	\$1,075,817.41	\$1,169,353.70	\$413,876.70	\$128,470.38	\$2,787,518.19
Jul-10	\$1,109,542.69	\$1,319,203.24	\$435,122.83	\$137,984.46	\$3,001,853.22
Aug-10	\$1,075,507.92	\$1,233,407.88	\$411,511.29	\$149,519.14	\$2,869,946.23
Sep-10	\$1,111,942.43	\$1,302,822.36	\$437,630.88	\$138,596.54	\$2,990,992.21
Oct-10	\$1,021,664.17	\$1,143,105.06	\$415,082.46	\$141,837.15	\$2,721,688.84
Nov-10	\$981,269.01	\$990,051.99	\$398,154.03	\$140,212.21	\$2,509,687.24
Dec-10	\$994,595.27	\$947,369.75	\$363,265.07	\$139,647.79	\$2,444,877.88
	\$12,824,389.90	\$12,669,709.81	\$4,656,357.31	\$1,557,081.84	\$31,707,538.86

Actual REST spending by TEP is tracked by line item. Money not spent will be carried over into the 2012 REST budget.

Table 3.3 – Cents per actual kWh of energy obtained for utility scale generation charged to REST (AMCCCG)

	Generation (kWh's)	Total Cost	MCCCG (\$/kWh)	PPFAC COST	AMCCCG (\$/kWh)	AMCCCG COST
TOTAL	145,296,000	\$10,462,950.42	\$0.03123	\$4,587,498.90	\$0.04078	\$5,875,374.02

Tucson Electric Power Company 2010 REST Compliance Report

Table 3.4 – 2010 collections and expenditures and any funds carrying over into the 2012 REST Implementation Plan

	2010 REST Collections (\$)	2010 REST Expenditures (\$)
REST Collections	\$31,707,539	
REST Funding Carried Forward from Prior Years	12,048,727	
REST Expenditures		
Purchased Renewable Energy		
<i>Above Market Cost of Conventional Generation</i>		\$4,742,214
<i>Manufacturing RECs</i>		831,859
<i>Other</i>		238,283
Customer-Sited Distributed Renewable Energy		
<i>Up-Front Payments Customers - Residential</i>		19,563,699
<i>Reserved Funds for Up-Front Payments Customers - Residential</i>		3,660,001
<i>Up-Front Payments Customers - Commercial</i>		1,070,168
<i>Reserved Funds for Up-Front Payments Customers - Commercial</i>		7,928,441
<i>Production Based Payments to Customer</i>		1,176,726
<i>Outreach Efforts</i>		549,857
<i>Other Customer-Sited Distribution</i>		740,434
Information Systems		207,720
Net Metering		178,691
Reporting		114,830
Outside Coordination and Support, Research and Development		
<i>Support to University Research</i>		220,000
<i>Technology Development Projects</i>		456,317
<i>Other</i>		268,703
	\$43,756,266	\$41,947,943
Total	41,947,943	
Total Expenditures	\$1,808,323	
Carried Over to 2012		

4.0 Further Discussion of Utility Scale

4.1 RFP Process for PPA's

In 2010, TEP completed the Request for Proposal (“RFP”) process from fall 2009. Results of that RFP and Accion’s Independent Auditing report were filed with the Commission in 2010. As a result of that RFP, a total of eight (8) new solar Power Purchase Agreements (“PPA”) were signed by TEP, two (2) PPA’s were signed by UNS Electric, and two (2) additional self-build contracts were signed by each company and the Solon Corporation. TEP expects to self-build approximately 5 MW in 2011 and 2012, and UNS Electric expects to build approximately 1.25 MW in 2011 and 2012. Listed in Table 4.1 is all of the current contracts both under construction and planned.

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Table 4.1 – TEP & UNSE Renewable Contracts and Projects

Resource/ Counterparty	Technology	Location	Operator	Completion Date	Term (Years)	Purchase Option	Capacity MW	
Solar								
PPAs	Amonix	Concentrating PV	Tucson, AZ	Amonix	2011	20	On or after yr. 6 at FMV	2
Swan Solar	Concentrating PV	Tucson, AZ	Amonix	2011	20		12	
NRG Solar	Fixed PV	Tucson, AZ	NRG Solar	2011	20		25	
First Light	Fixed PV	Tucson, AZ	CTC	2011	20		5	
Emcore Solar	Concentrating PV	Tucson, AZ	Emcore	2011	20		2	
Solon	SAT PV	Kingman, AZ	Solon	2011	20		5	
Solon	SAT PV	Santa Cruz County	Solon	2012	20		5	
FRV Tucson Solar	SAT PV	Tucson, AZ	Renewable Ventures	2012	20		25	
FSP Solar One	SAT PV	Tucson, AZ	Foresight Solar	2012	20		4	
FSP Solar Two	SAT PV	Tucson, AZ	Foresight Solar	2012	20		12	
Avalon Solar	Fixed PV	Marana, AZ	Avalon	2012	20		35	
Renewable Fuel	Solar Thermal	Tucson, AZ	Bell IPC	2013	20		5.5	
Wind								
Western Wind Energy US Corp	Wind	Kingman, AZ	Western Wind	2011	20	None	11	
Macho Springs	Wind	Deming, NM	Element Power	2011	20	None	50	
Landfill Gas								
Sexton Energy	Landfill Gas	Tucson, AZ	Sexton Energy	2013	15	None	2.2	

Owned / Under Construction

Fuel/ Plant	Technology	Status	Completion Date	Net Capacity MW
Solar				
Springerville Solar Station	Fixed PV	Complete	2002	4.6
Springerville Solar Expansion	Fixed PV	Complete	2010	1.8
UASTP	SAT PV	Complete	2010	1.6
Tucson Airport Project	SAT PV	In progress	2011	5
TBD	SAT PV	Scheduled	2012	5

4.2 Landfill Gas

In August 1999, TEP and the City of Tucson started producing electricity from the installation of a nameplate 5 MW landfill gas system at the Los Reales Landfill in Tucson, Arizona. The landfill gas is piped from the landfill to the Sundt Generating Station, where it is co-fired with coal and/or natural gas.

In 2010, TEP's landfill gas resource produced 18,280,332 kWh, equivalent to the same number of RECs. Applying the In-State Manufacturing and Installation Content Extra Credit Multiplier to this production added 1,096,820 RECs for 2010. In total, the landfill gas resource produced 19,377,152 RECs.

4.3 Existing Photovoltaics

The Solar PV System located at the Springerville Generating Station (“SGS”) has an approximate nameplate capacity of 4.6 MW. It was increased in size in 2010 by 1.8 MW. In 2010, the actual energy production was 5,997,822 kWh. Inclusive of applicable extra credits from multipliers, the total SGS RECs in 2010 were 9,414,120. Estimated annualized production of the 1.8 MW installed is 3,060,000 kWh additional that will be fully realized in 2011. No SGS RECs were sold, nor retired, in the 2010 REST compliance period. 1.6 MW was also installed at the University of Arizona Science and Technology Park. This installation is a single axis tracker expected to output 3,200,000 kWh annually. These RECs will be fully realized in 2011.

4.4 TEP-owned

As approved by the Commission, TEP completed its two planned solar projects in 2010: the 1.6 MW single-axis tracking system built by SOLON, and the 1.8 MW expansion of the Springerville solar facility, bringing the total Springerville solar capacity to 6.4 MW.

4.5 UA Tech Park

Approximately 200 acres of construction is underway at what will soon be a world-class solar research park called the University of Arizona Science and Technology Park Solar Zone. TEP will be placing 20 MW of various technologies for the purposes of renewable energy generation and state of the art comparative analysis on solar technologies and processes that will significantly impact the efficacy of solar power in the United States. In 2010, 1.6 MW of single axis tracking PV was commissioned and estimated annualized production would be 3,200,000 kWh. Similar to the Springerville addition, this production will be fully realized in 2011. Completion of the second project, a 2 MW concentrated photovoltaics (“CPV”) being built by Amonix, is expected to be completed in April 2011. Construction of the third and fourth projects are expected to begin in the summer of 2011 and completed in the spring of 2012.

4.6 Manufacturing Credits

TEP buys RECs from Global Solar, under the REST Manufacturing Partial Credit (R14-2-1807) rule. This rule stipulates that an affected utility (TEP) can earn RECs using the following calculation:

$$\text{Nameplate capacity produced in AZ and sold Year } X * 2190 = \text{Total RECs}$$

As a result of its investment in Global Solar, TEP obtained 8,688,154 RECs in 2010 that are eligible to contribute to its REST requirement.² In 2010, Global Solar sold PV modules that were produced and sold at the Tucson facility with a combined nameplate capacity of 4,613 kW. Using the 2,190 factor assumes a 25% capacity factor for these units when they are deployed.

² Manufacturing Partial Credits obtained from Global Solar are prorated between TEP and UniSource Energy Services, at a rate of 86% and 14%, respectively.

5.0 Further Discussion of DE

5.1 Residential DE

The residential DE market increased dramatically in the TEP service territory in 2010. In 2007, a small handful of companies were doing solar installations in the area. In 2010, more than 150 companies were installing PV and solar hot water, primarily due to significantly lower system prices and relatively high incentive levels. The combination of lower prices, attractive incentives, and significant consumer demand for solar, TEP funds were exhausted in July. Special Commission proceedings were held to transfer additional funds into residential DE and the incentives were lowered from \$3.00 per Watt DC to \$2.00 per Watt. TEP worked diligently to streamline DE reservation processes, improve inspection and metering policy, and worked diligently to support the massive impact of solar construction on local area inspection jurisdictions. TEP also published improved technical specifications for solar installations to insure safe and reliable grid integration. The residential marketplace continues to be a dynamic and rapidly changing environment.

5.2 Small Commercial DE

Similar growth occurred in the small commercial marketplace in 2010, despite the limited availability of capital in the small commercial marketplace. This is due largely to increases in UFI upper limits for both PV and hot water. TEP raised the maximum PV UFI level from 20 kW A/C to 100 kW. Incentives were reduced for PV in this area as well from \$2.50 per Watt DC to \$1.50 per Watt.

5.3 Large Commercial and Industrial DE

TEP had a very stable and productive year for large commercial projects. This is due largely to limiting the size of large, single-customer installations by dividing PBI money into monthly auction segments. The resulting upper limit for project size was ~500 kW. The large commercial market was able to participate in incentive programs for the entire year.

Tucson Electric Power Company 2010 REST Compliance Report

Table 5.1 – Residential, Small and Large Commercial REC prices for DE by technology

Incentive Summary Tables

RECPP – CONFORMING PROJECT INCENTIVE MATRIX

2010 Program Year

Technology/Application	UP FRONT INCENTIVE ¹ 20-Year REC Agreement	10-Year REC Agreement ⁴ 10-Year Payment (\$/kWh)	15-Year REC Agreement ⁴ 15-Year Payment (\$/kWh)	20-Year REC Agreement ² 20-Year Payment (\$/kWh)
BIOMASS/BIOGAS (Electric)	NA	0.060	0.056	0.054
BIOMASS/BIOGAS – CHP (Electric) ³	NA	0.035	0.032	0.031
BIOMASS/BIOGAS – CHP (Thermal) ³		0.018	0.017	0.016
BIOMASS/BIOGAS (thermal)	NA	0.015	0.014	0.013
BIOMASS/BIOGAS (cooling)	NA	0.032	0.030	0.029
DAYLIGHTING (Non-Residential)	\$0.18/kWh ⁷ See this note for clarification	NA	NA	NA
GEOHERMAL – (electric)	NA	0.024	0.022	0.022
GEOHERMAL – (thermal)	NA	0.048	0.045	0.043
Ground Source Heat Pump – (cooling)	\$500/ton	NA	NA	NA
SMALL HYDRO	NA	0.060	0.056	0.054
SMALL WIND (grid-tied) ⁸	\$2.25/Watt AC	NA	NA	NA
SMALL WIND (off-grid) ⁸	\$1.80/Watt AC	NA	NA	NA
SOLAR ELECTRIC:				
RESIDENTIAL (GRID-TIED)	\$3.00/Watt DC ⁹	NA	NA	NA
Non-Residential (Grid-Tied) 100 kW or less	\$2.50/Watt DC ⁹	NA	NA	NA
NON-RESIDENTIAL (GRID-TIED) More than 100 kW	NA	0.182	0.168	0.162
RESIDENTIAL (OFF-GRID)	\$2.00/Watt DC ⁹	NA	NA	NA
NON-RESIDENTIAL (OFF-GRID)	\$2.00/Watt DC ⁹	NA	NA	NA
SOLAR SPACE COOLING ⁶	NA	0.116	0.108	0.104
SOLAR WATER HEATING/SPACE HEATING ^{3,6,10} (Non-Residential, 35,000 annual kWh output production equivalent or less)	\$750 plus \$0.50/kWh	NA	NA	NA
RESIDENTIAL SOLAR WATER SPACE HEATING (35,000 annual kWh output production equivalent or less) ^{3,6,10}	\$750 plus \$0.25/kWh	NA	NA	NA
NON-RESIDENTIAL POOL HEATING	NA	0.012	0.011	0.011

Notes:

- 1) Residential projects are eligible for an up-front incentive (UFI). UFI payments cannot exceed 60% of the cost of renewable energy equipment.
- 2) Non-residential systems under 100kW is a UFI but can be a PBI. Non-residential 100 kW and greater is PBI only. The total of payments under a production based incentive cannot exceed 60% of the project costs for any project.
- 3) The CHP incentives may be used in combination for the appropriate components of one system.
- 4) This PBI applies to a maximum system size of 1 MW.
- 5) The solar space heating and cooling incentives may be used in combination for the appropriate components of one system.
- 6) This category includes both traditional water heating and those systems combined with residential solar water heating used for space heating. Space heating applications require a report detailing energy saving for the complete system.
- 7) Rate applies to measured first five years of energy savings only. Payments are made over a five year period.
- 8) Some UFI based installations will require an adjustment of the incentive as detailed in the PV Incentive Adjustment Chart.
- 9) Energy savings rating is based on the SRCC OG-300 published rating or the TEP-RECPP Space Heating Calculator. The customer contribution must be a minimum of 15% of the project cost after accounting for and applying all available Federal and State incentives.
- 10) Rate applies to forecast/measured first year energy savings only.
NA – Not Available

Tucson Electric Power Company 2010 REST Compliance Report

Table 5.2 – 2010 DE project volume and capacity

Commercial	PV	Solar Hot Water	Total
Applications Reserved in 2010	96	25	121
Annualized kWh	16,689,988	1,644,688	18,334,676
Capacity (kW)	9,818	598	10,416
Installed in 2010	23	6	29
kWh	9,404,919	92,363	9,497,281
Capacity (kW)	5,532	34	5,566
Reservations Carried Into 2011	80	19	99
kWh	19,562,663	441,867	20,004,530
Capacity (kW)	11,507	161	11,668

Residential	PV	Solar Hot Water	Total
Applications Reserved in 2010	1,335	740	2,075
kWh	15,505,205	2,002,864	17,508,069
Capacity (kW)	9,121	728	9,849
Systems installed in 2010	929	375	1,304
kWh	10,305,133	1,057,800	11,362,933
Capacity (kW)	6,062	385	6,446
Reservations Carried Into 2011	481	447	928
kWh	5,855,708	1,175,552	7,031,260
Capacity (kW)	3,445	427	3,872

Exhibit 1

Attestation for utility receipt of purchase of renewable energy and credits



RENEWABLE ENERGY CREDIT CERTIFICATE

In connection with that certain Confirmation dated May 17, 2010, subject to that certain WSPP Agreement (the "Agreement"), by and between Powerex Corp and Tucson Electric Power Company, the undersigned certifies, as of the February 28, 2011, as follows:

1. The generators (the "Facilities") are renewable electric generating facilities located in the Province of British Columbia.

2. The Facilities commissioning dates and nameplate generating capacities are as follows:

<u>Facility</u>	<u>C.O.D.</u>	<u>Location</u>	<u>Capacity</u>
Armstrong Toiko Woodwaste	24-Jun-2003	Armstrong	20.4 MW
Tembec Pulp and Paper	14-Sep-2001	Skookumchuck	43.2 MW
Vancouver Landfill Gas – Unit 1	21-Sep-2003	Delta	5.5 MW
Vancouver Landfill Gas – Unit 2	02-Oct-2006	Delta	1.9 MW
Canfor Prince George Bioenergy	12-May-2005	Prince George	59.9 MW
Domtar Kamloops	01-Jul-2004	Kamloops	74.0 MW

Each Facility was certified by TerraChoice as an Ecologo Class III Certified facility.

3. This Renewable Energy Credits Certificate represents the Renewable Energy Credits (as defined in the Confirmation) associated with 91,102 MWh of electric energy generated at the Facilities during July through November 2010 pursuant to the Agreement. This Renewable Energy Credits Certificate has no stated or intrinsic value.

4. The Renewable Energy Credits sold to Purchaser pursuant to the Agreement have not been and shall not be sold, pledged, hypothecated or assigned to any party other than Purchaser. Seller has good and marketable title to such Renewable Energy Credits, free and clear of all mortgages, liens, security interests, pledges, charges, encumbrances, or claims of any nature except as created by this Agreement, and Seller has full right, power and authority to sell, transfer and deliver such Renewable Energy Credits.

5. WITH PURCHASER'S KNOWLEDGE AND CONSENT, SELLER EXPRESSLY NEGATES ANY REPRESENTATION OR WARRANTY, OTHER THAN THOSE EXPRESSLY STATED IN THE AGREEMENT, WHETHER WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE ELIGIBILITY OF THE RENEWABLE ENERGY CREDITS SOLD UNDER THE AGREEMENT TO BE APPLIED, USED OR SUBMITTED TO ANY PROGRAM, GOVERNMENTAL OR OTHERWISE, AND ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY AND ALL IMPLIED WARRANTIES ARE DISCLAIMED.

Powerex Corp.

Dated: February 28, 2011

By:
Name:
Title:



Robert Campbell
Managing Director

Table 1
RECs Delivered to TEP in Jul 10 for Deal CRN 703 / CRN 716

Date	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL
1-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
2-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
3-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
4-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
5-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
6-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
7-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	24	24	24	22	19	20	25	25	25	25	25	25	584
8-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
9-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
10-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
11-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	19	12	12	12	13	16	16	18	18	511
12-Jul-10	19	19	19	19	19	19	16	19	12	19	17	17	15	11	11	14	15	15	16	16	16	16	16	16	391
13-Jul-10	16	17	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	583
14-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
15-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
16-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
17-Jul-10	25	25	25	25	25	25	25	25	25	25	26	25	25	25	25	25	25	25	25	25	25	25	25	25	600
18-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
19-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
20-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
21-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
22-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
23-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
24-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
25-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
26-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
27-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
28-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
29-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
30-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24	25	25	25	25	25	25	25	25	25	599
31-Jul-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600

18,268

Table 2
RECs Delivered to TEP in Aug 10 for Deal CRN 703 / CRN 716

	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL
1-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
2-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
3-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	20	16	16	16	24	25	24	25	25	566
4-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
5-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
6-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
7-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
8-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
9-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
10-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
11-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
12-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
13-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
14-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
15-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
16-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
17-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
18-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
19-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
20-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
21-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
22-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
23-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
24-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
25-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
26-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
27-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
28-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
29-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
30-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	594
31-Aug-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600

18,560

Table 3
RECs Delivered to TEP in Sep 10 for Deal CRN 703 / CRN 716

Date	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL
1-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
2-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
3-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
4-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
5-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
6-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
7-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
8-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
9-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
10-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
11-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
12-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
13-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
14-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
15-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
16-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
17-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
18-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	551
19-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	575
20-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
21-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
22-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
23-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	586
24-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	591
25-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	460
26-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
27-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
28-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	597
29-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	598
30-Sep-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	580
	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600

17,738

Table 4
RECs Delivered to TEP in Oct 10 for Deal CRN 703 / CRN 716

Date	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL
1-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
2-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
3-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
4-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
5-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
6-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
7-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
8-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
9-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
10-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
11-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
12-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
13-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
14-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
15-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
16-Oct-10	25	25	25	25	25	25	25	25	25	25	25	13	10	15	25	25	25	25	25	25	25	25	25	25	559
17-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
18-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
19-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
20-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
21-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
22-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
23-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
24-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	593
25-Oct-10	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	593
26-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	575
27-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	591
28-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
29-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
30-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
31-Oct-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600

18,511

Table 5
RECs Delivered to TEP in Nov 10 for Deal CRN 703 / CRN 716

Date	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL
1-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
2-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
3-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
4-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
5-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
6-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
7-Nov-10	25	50	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	625
8-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
9-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
10-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
11-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
12-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
13-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
14-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
15-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
16-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
17-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
18-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
19-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
20-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
21-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
22-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
23-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
24-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
25-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
26-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
27-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
28-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
29-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600
30-Nov-10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	600

18,025



RENEWABLE ENERGY CREDIT CERTIFICATE

In connection with that certain Confirmation dated December 28, 2009, subject to that certain WSPP Agreement (the "Agreement"), by and between Powerex Corp and Tucson Electric Power Company, the undersigned certifies, as of the October 18, 2010, as follows:

1. The generators (the "Facilities") are renewable electric generating facilities located in the Province of British Columbia.

2. The Facilities commissioning dates and nameplate generating capacities are as follows:

Table with 4 columns: Facility, C.O.D., Location, Capacity. Rows include Armstrong Tolko Woodwaste, Tembec Pulp and Paper, Vancouver Landfill Gas - Unit 1, etc.

Each Facility was certified by TerraChoice as an Ecologo Class III Certified facility. *Facility is Ecologo Class II.

3. This Renewable Energy Credits Certificate represents the Renewable Energy Credits (as defined in the Confirmation) associated with 70,224 MWh of electric energy generated at the Facilities during February through June 2010 pursuant to the Agreement. This Renewable Energy Credits Certificate has no stated or intrinsic value.

4. The Renewable Energy Credits sold to Purchaser pursuant to the Agreement have not been and shall not be sold, pledged, hypothecated or assigned to any party other than Purchaser. Seller has good and marketable title to such Renewable Energy Credits, free and clear of all mortgages, liens, security interests, pledges, charges, encumbrances, or claims of any nature except as created by this Agreement, and Seller has full right, power and authority to sell, transfer and deliver such Renewable Energy Credits.

5. WITH PURCHASER'S KNOWLEDGE AND CONSENT, SELLER EXPRESSLY NEGATES ANY REPRESENTATION OR WARRANTY, OTHER THAN THOSE EXPRESSLY STATED IN THE AGREEMENT, WHETHER WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE ELIGIBILITY OF THE RENEWABLE ENERGY CREDITS SOLD UNDER THE AGREEMENT TO BE APPLIED, USED OR SUBMITTED TO ANY PROGRAM, GOVERNMENTAL OR OTHERWISE, AND ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY AND ALL IMPLIED WARRANTIES ARE DISCLAIMED.

Powerex Corp.

Dated: October 18, 2010

By: [Signature]
Name: _____
Title: _____

Table 1
RECs Delivered to TEP in Feb 10 for Deal CLA 998 / CLB 175

Date	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL
1-Feb-10	20	20	13	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	453
2-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
3-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
4-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
5-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
6-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
7-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
8-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
9-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
10-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
11-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
12-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
13-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
14-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
15-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
16-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
17-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
18-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
19-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
20-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
21-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
22-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
23-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
24-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
25-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
26-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
27-Feb-10	20	20	20	20	20	20	20	20	20	20	20	7	20	20	20	20	20	20	20	20	20	20	20	20	467
28-Feb-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480

TOTAL **13,400**

**Table 2
RECs Delivered to TEP in Mar 10 for Deal CLA 998 / CLB 175**

	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL	
1-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
2-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
3-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
4-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
5-Mar-10	20	20	20	20	20	20	20	20	16	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	474
6-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
7-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
8-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
9-Mar-10	20	20	20	20	20	20	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	460
10-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
11-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
12-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
13-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
14-Mar-10	20	20	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	460
15-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	17	20	20	20	20	20	477
16-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
17-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
18-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
19-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
20-Mar-10	20	20	20	20	20	20	20	7	11	11	13	12	11	11	11	12	11	10	12	14	12	12	12	12	20	350
21-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
22-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
23-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
24-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
25-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
26-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
27-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
28-Mar-10	20	20	20	20	20	20	17	17	17	17	17	17	17	14	14	15	17	17	17	17	17	17	20	20	20	423
29-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
30-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
31-Mar-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
	TOTAL																							14,640		

Table 3
RECs Delivered to TEP in Apr 10 for Deal CLA 998 / CLB 175

Date	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL	
1-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
2-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
3-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
4-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	19	20	20	20	20	20	20	20	20	20	20	20	479
5-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
6-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
7-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
8-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
9-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
10-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
11-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
12-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
13-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
14-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
15-Apr-10	13	13	13	13	13	13	13	13	13	12	11	11	11	11	11	11	11	13	13	13	13	13	13	5	11	361
16-Apr-10	13	13	13	13	13	13	13	13	13	10	9	11	11	11	12	12	12	12	12	12	12	12	12	12	12	297
17-Apr-10	12	12	12	12	12	12	12	12	12	11	12	4	9	12	12	12	12	12	12	12	12	12	12	12	12	286
18-Apr-10	12	12	12	12	12	12	12	12	12	11	12	9	12	12	12	12	12	12	12	12	12	12	12	12	12	263
19-Apr-10	12	12	12	12	12	12	12	12	12	11	12	9	12	12	12	12	12	12	12	12	12	12	12	12	12	274
20-Apr-10	8	8	4	4	4	4	4	4	4	12	11	10	12	12	12	12	12	12	12	12	12	12	12	6	272	
21-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	393
22-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
23-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
24-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
25-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
26-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
27-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
28-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
29-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
30-Apr-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480

TOTAL 13,155

Table 4
RECs Delivered to TEP in May 10 for Deal CLA 998 / CLB 175

Date	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL
1-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
2-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
3-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
4-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
5-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
6-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
7-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
8-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
9-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
10-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	19	17	18	20	20	20	20	20	20	474
11-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	18	20	478
12-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	19	20	479
13-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	16	20	476
14-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	17	16	20	20	20	20	20	20	20	18	19	469
15-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	19	19	20	18	20	20	20	20	20	20	20	476
16-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	479
17-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	16	16	16	16	16	15	15	15	15	15	15	414
18-May-10	15	15	15	15	16	16	16	16	16	15	15	16	15	15	17	17	17	17	17	17	18	19	19	19	393
19-May-10	19	19	19	17	17	17	18	20	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	464
20-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
21-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
22-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
23-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
24-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
25-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
26-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
27-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
28-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
29-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480
30-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	15	20	20	20	20	20	20	20	20	20	475
31-May-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480

TOTAL 14,677

Table 5
RECs Delivered to TEP in Jun 10 for Deal CLA 998 / CLB 175

Date	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12	HE13	HE14	HE15	HE16	HE17	HE18	HE19	HE20	HE21	HE22	HE23	HE24	TOTAL	
1-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
2-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
3-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
4-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	16	476	
5-Jun-10	15	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	6	20	12	16	20	449	
6-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	19	20	20	479	
7-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
8-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
9-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
10-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
11-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
12-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
13-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
14-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
15-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
16-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
17-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
18-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
19-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
20-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
21-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
22-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
23-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	479	
24-Jun-10	20	20	20	20	20	20	20	20	20	20	20	17	17	19	16	15	15	15	16	15	15	17	18	19	20	439
25-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
26-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
27-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
28-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
29-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	
30-Jun-10	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	480	

TOTAL 14,322



**Commercial Operations
1800 Larimer
Suite 1000
Denver, CO 80202**

March 1, 2010

UniSource Energy
Attn: Carmine Tilghman, Director – Renewable Energy Resources
One South Church Avenue
Mail Stop UE2004, PO Box 711
Tucson, AZ 85702

Carmine,

For the month of February, 8,435 MWs of bundled energy was delivered to TEPM. All of the MWs delivered were under the fixed price option at \$66.25. Below, I have listed out the deliveries by farm:

Resource	EIA#	MWs
Logan:	56613	8,185
CO-Green:	56173	250
Total:		8,435

Please feel free to contact me with any questions or concerns. We have enjoyed doing business with you and look forward to meeting Tucson's future needs.

Regards,

Eric Pierce
Managing Director, Energy Trading



**Commercial Operations
1800 Larimer
Suite 1000
Denver, CO 80202**

February 2, 2010

UniSource Energy
Attn: Carmine Tilghman, Director – Renewable Energy Resources
One South Church Avenue
Mail Stop UE2004, PO Box 711
Tucson, AZ 85702

Carmine,

Below is a quick summary of our bundled deliveries for the month of January:

9,967 MWs of bundled energy was delivered to TEPM for the month of January. 9,284 MWs were delivered at a fixed price and the additional 683 MWs were delivered at a real time price. Please see below the total MWs by resource delivered:

Resource	EIA#	MWs
Cedar	56371	1,125
CO-Green	56173	750
Logan	56613	8,092
Total MWs		9,967

Please feel free to contact me with any questions or concerns.

Regards,

Eric Pierce
Managing Director, Energy Trading

Exhibit 2

Attestation from an independent auditor that project selection procedures are fair and unbiased

CONFIDENTIAL

Exhibit 3

Description of Extra Credit Multipliers

The REST order allows utilities to earn RECs from sources other than actual energy production based on applicable extra credit multipliers (“Multipliers”). These Multipliers include the Early Installation Extra Credit Multiplier, the In-State Power Plant Installation Extra Credit Multiplier, the In-State Manufacturing and Installation Content Extra Credit Multiplier, and the Distributed Solar Electric Generator and Solar Incentive Program Extra Credit Multiplier.

The Multipliers are applied to the energy generated by an eligible renewable energy resource. The energy generated by a given facility during a compliance period is multiplied by the multiplier, producing the “extra credit” earned by that facility. This “extra credit” is then added to the RECs produced by the facility as a result of its energy production to provide the total number of RECs generated by that facility during a given compliance period. The multipliers are additive, but the total multiplier cannot exceed 2.0. Table E3.1, below, shows each multiplier and its related value.

Table E3.1 – REST Extra Credit Multipliers

Extra Credit Multipliers	Value
Early Installation Extra Credit: Installed and Began Operating in	
2001	0.3
2002	0.2
2003	0.1
In-State Power Plant Extra Credit (1997-2005)	0.5
In-State Manufacturing and Installation Content (1997-2005)	0.5 * (% in-state content in installed plant)
DE Solar Electric Generator and Solar Incentive Program (1997-2005)	0.5

Source: Renewable Energy Standard and Tariff, R14-2-1806.

The Multipliers only apply to systems installed between January 1, 1997 and December 31, 2005. In some cases, the definition is even narrower. There is no expiration date for any of the Multipliers except the Early Installation Extra Credit Multiplier. The Early Installation Extra Credit Multiplier is only applied during the first five years following a facility’s operational startup; as a result, 2008 will be the final year for applying this multiplier. The remaining Multipliers can be applied to facility generation for the life of the facility.

Exhibit 4

Documentation of TEP REC retirements for 2010

(Signed Certificate available upon request)

CERTIFICATE OF RETIREMENT OF RENEWABLE ENERGY CREDITS

Original Certificate Issue

Certificate No. TEP/REST: WRE 159,302,632 – 345,138,392

Certificate No. TEP/REST: DERES 11,585,148 – 23,807,276

Certificate No. TEP/REST: DECOM 3,973,235 – 15,596,807

On March 31, 2011 Tucson Electric Power Company (TEP) retired 185,835,760 Utility-Scale/Wholesale Renewable Energy Credits (WRE); 12,222,128 Distributed Energy - Residential Credits (DERES); and 11,623,572 Distributed Energy - Commercial Credits (DECOM) towards meeting its 2010 Renewable Energy Standard requirements.

1. TEP certifies that it derived the Wholesale Renewable Energy Credits from certified wholesale market trades that were delivered, and verified through WebTrader™, into the TEP service territory.
2. TEP certifies that it derived all other Utility Scale Solar and Distributed Energy Solar from actual generation of electricity and the application of the multipliers as permitted by the EPS and the RES.
3. TEP further certifies that, at the time of this transfer, it had title to the Credits transferred to TEP and that such Credits have not previously expired, have not been otherwise used by TEP to meet its Environmental Portfolio Standard or Renewable Energy Standard requirements, and have not been transferred by TEP to any other entity.

Attested to:

Name of TEP officer – David Hutchens

Title – Executive Vice President

Date – March 31, 2011

Signature /s/ David G. Hutchens