NATIONAL POWER CORPORATION (NPC) Performance Scorecard

	Componer		onent		Target	Subm	ission	GCG V	alidation	Supporting	Pamarka	
	Objec	tive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	Remarks	
	SO 1	Provided Efficie	ent Operation of Ge	neration As	sets in Missi	onary Areas						
	SM 1	Quality 1: Percentage of Readiness of Existing Plants (Equivalent Availability Factor)	∑[Dependable Cap x (Period Hours - Outage Hours)] + ∑[Rated Cap x (Period Hours - Deactivated Shutdown Hours)]	4%	66.280%	67.567%	4.00%	67.567%	4.00%	Summary of SPUG Plant Performance CY2015 signed by VP E.A.Veloso, Jr., SPUG dated 03 Mar 2016 Onsite validation of the NPC	Equivalent Availability Factor (EAF) is the percentage of time the generation units are available to produce electricity over a certain period including the derating due to equipment deterioration. Forced Outage Rate (FOR) is the	
HOLDER	SM 2	Quality 2: Percentage of Unexpected Power Interruption (Forced Outage Rate)	∑(Forced Outage Hours) + ∑(Operating Hours + Forced Outage Hours)	4%	0.274%	0.142%	4.00%	0.142%	4.00%	of the NPC database.	ratio of a generating unit's forced outage hours over the sum of its forced outage hours and operating hours (sum of forced outage hours and operating hours). Net Heat Rate (NHR) is ratio of heat utilized to produce electrical energy	
CUSTOMER/STAKEHOLDER	SM 3	Quality 3: Plant Operation Efficiency (Net Heat Rate)	[∑(Diesel Fuel Consumption x Ave Diesel Fuel Heating Value) + ∑(Bunker Fuel Consumption x Ave Bunker Fuel Heating Value)] + ∑(Net Generation)	4%	10,937	10,699	4.00%	10,699	4.00%		expressed in BTU/kWh. Below is the summary of SPUG operations: EAF	
	SM 4	Quality 4: Plant Maintenance Efficiency	∑Planned Maintenance Days + ∑Actual Maintenance Days	2%	100%	109.06%	2.00%	109.06%	2.00%		For NPC SPUG plants, all plant maintenance activities were completed in an aggregate of 1,225 days as compared with the total scheduled maintenance period of 1,336 calendar days.	

	Compo	nent		Target	Submi	ssion	GCG Va	lidation	Supporting	Remarks
Objec	tive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	Remarks
SO 2	Increased Powe	r Generations in Mi	ssionary Ar	eas Pursuan	t to the Appro	ved Budget				
SM 5a	Quality 1a: Completed Capacity Additions – Lease	∑(Nameplate Ratings of Leased Generation Capacity)	5%	29.90	37.50	3.73%	37.50	3.73%	Monitoring of Programs, Projects and Activities for CY2014-2015 as of 22 Dec 2015 Memorandum re Commercial Operations of New Generating Sets dated 11 Jan 2016	Actual capacity additions through lease agreement reached to 48.30MW in 2015, however, only 37.50MW was identified to be within the controls of the management, as follows: SPUG in MW Boac 4.00 Tablas 1.80 Ticao 1.00 Basco DPP 1.10 San Jose SS 4.00 EI Nido DPP 1.00 Taytay DPP 0.60 Pulanglupa 6.00 Jolo/Sulu 6.00 Kalamansig 1.00 Dinagat 2.00 Basilan 3.50 Bongao 1.50 Total 37.50 Nevertheless, NPC still exceeded committed limit by 25.42%
SM 5b	Quantity 1b: Completed Capacity Additions – Commissioned	Actual Completed Capacity Addition	5%	27.40	0.90	0.16%	0.90	0.16%		Commissioned capacity additions flunked in 2015 due to unexpected rise in the capacity additions under lease. SPUG in MW Rizal DPP 0.30 Ticao DPP 0.30 Burias DPP 0.30 Total 0.90 NPC fell short by 96.72% of the committed target.

	Component			Target	Subm	nission GCG Validation			Supporting	_
Objec	tive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	Remarks
SM 6	Quantity 2: Transmission Line	Actual Completed Transmission Lines	5%	123.11	86.91	3.53%	86.91	3.53%	Summary of Accomplished Performance Targets for 2015 by Project Management Department Certificates of Project Accomplishment: to SLDCC (100.00% Puerto-Prinsesa-Roxas 138 kV Steel Tower) to DMCI (96.81% Mobo-Cataingan "1" and "2" 69 kV Schedule 1) to PDI (87.14% Mobo-Cataingan "1" and "2" 69 kV Schedule 2) to SLDCC (85.19% Codon-Virac TLP 69 kV Steel Poles)	Accomplishment is composed of the ff: 1. Mobo-Aroroy "3" - 10.83 km. 2. Mobo-Cataingan "1"and "2" 69 kV — Sched 1 - 32.29 km. 3. Mobo-Cataingan "1"and "2" 69 kV — Sched 2 - 24.99 km. 4. Puerto Princesa — Roxas 138 kV (Palawan) - 5.00 km. 5. Codon — Virac 69 kV (Catanduanes) - 13.80 km. Actual completed T/L is only 70.60% of the target. Reasons for the delay include ROW issues, contractor's delay, and peace and order situation in the area.
SM 7	Quantity 3: Substation Facilities	Actual Completed Substations	0%	0	N/A	N/A	N/A	N/A	None	No target and weight for 2015.
SO 3	Contributed to	Efficient Operation	of Generati	on Assets in	the Main Grid	s	L		1	
SM 8	Quality 5: Percentage of Readiness of Existing Power Plants (Availability Factor) ²	∑(Available Hours) + ∑(Period Hours)	3%	89.50%	88.81%	2.98%	88.81%	2.98%	Summary of Actual Performance 2015 signed by Mgr. R.L Abergas, Corplan Monitoring Report by Mindanao Generations CY2015 and	Actual AF rate is a weighted average, based on allocated rated capacity per plant, itemized below: Plant Wt. (%) AF (%) PB 104 3.16 93.75 Agus 1 & 2 25.64 92.83 Agus 4 & 5 21.01 93.62 Agus 6 & 7 25.05 88.73 Pulangi IV 25.15 80.14 Total 100% 88.81

		Compo	nent		Target	Submis	ssion	GCG Va	lidation	Supporting	Remarks
	Object	ive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	
S	М 9	Quality 6: Unexpected Power Interruption (Forced Outage Rate) ²	Actual Forced Outage Hour	4%	24	14.53	4.00%	14.53	4.00%	PB104 signed by VP D.C.Corpuz, MinGen PB104 Results of Performance vs. Targets CY2015 signed by Plant Mgr. I.C.Dongallo, PB104 Monthly Operational Reports	Undisposed plants under Operation and Management Contract have the ff. actual FOR, as follows: Plant FOR PB 104 0.00 Agus 1 & 2 17.85 Agus 4 & 5 0.00 Agus 6 & 7 15.57 Pulangi IV 271.77 Total 305.190 No. of Units 21 Ave. FOR per Unit 14.53 Actual unexpected power interruption is only 60.54% of the target.
S	SM 10	Quality 7: Plant Operation Efficiency (Net Heat Rate) ²	∑(Bunker Fuel Consumption x Ave Bunker Fuel Heating Value) + ∑(Net Generation)	2%	9,220	8,967.23	2.00%	8,967.23	2.00%		NHR for main grid measures efficiency applicable to Power Barge (PB) 104. The lesser NHR means the more electricity generated per volume of fuel consumption. For 2015, NHR of PB 104 is 8,967.23 BTU/kWh, lower by 2.82% than the target limit.
S	6M 11	Quality 8: Plant Maintenance Efficiency	∑Planned Maintenance Days + ∑Actual Maintenance Days	2%	100%	125.80%	2.00%	125.80%	2.00%		Actual PME is as follows: Plant

	Component				Submi	ssion	GCG Va	alidation	Supporting		
Objec	ctive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	Remarks	
SO 4	To Contribute t	o Sustainable Hydr	o and Geotl	nermal Plant	Operations an	d Support C	limate Change	Mitigation			
SM 12	Quantity 4: Reforestation of Open Areas	Actual Areas Reforested	5%	670	1,026.06	5.00%	1,026.06	5.00%	Monitoring Report of Performance Targets CY2015 by Watershed Management Department signed by Mgr. E.A.Umali, WMD Supporting Documents: Memorandum of Agreement Accomplishment Reports Photo Documentation Maps LGU Certifications	Breakdown of rehabilitated area is as follows: Areas Total Area North Luzon Angat 105.76 Upper Agno River 107.00 San Roque 50.00 Pantabangan 80.00 South Luzon Caliraya-Lumot 53.00 Makiling-Banahaw 15.53 Buhi-Barit 86.00 Tiwi 76.76 Mindanao Pulangi 110.00 Lake Lanao 342.01 TOTAL 1,026.06	
SM 13	Timeliness 1: Eco-Tourism Development for NPC- Managed Watersheds	Based on ManCom/Preside nt's approval	2.5%	Plan Developm ent: San Roque, Upper Agno River Implement ation/Exec ution: Caliraya- Lumot Operation: Angat	Caliraya- Lumot Watershed Eco-Park was launched and CLW Eco-Center was established and inaugurated last 4 Dec 2015 Completed landscapin g of AREP viewdeck,	2.50%	Caliraya- Lumot Watershed Eco-Park was launched and CLW Eco-Center was established and inaugurated last 4 Dec 2015 Completed landscapin g of AREP viewdeck,	2.50%	NPC Ecotourism Management Plan for Upper and Lower Agno Watersheds Activity Report (Opening/ Blessing of Caliraya-Lumot Watershed Ecocenter and Ecopark) Project Profile (Angat Initiative: Saving the Angat Watershed through Public Education Saving the Philippine Eagle (Eco-	Validated with internal documents	

Annex A

	Compo	nent		Target	Submi	ssion	GCG Va	lidation	Supporting	Remarks
Objec	tive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	
					installed signages at Manalo & Tariktik Trails and established bambusele um and nursery genebank. Registered at least 3,000 visitors.		installed signages at Manalo & Tariktik Trails and established bambusele um and nursery genebank. Registered at least 3,000 visitors.		Tourism Development)) • Progress Report (Landscaping of AREP View deck)	
SO 5	Ensure the inte	grity and Safety of	Dams and M	itigate the E		ding Through	the Conduct	of IEC with th	e LGUs at the Target A	Areas Downstream
SM 14	Quantity 5: Number of Dam Integrity Inspections	Actual Dam Inspections	2%	10	18	2.00%	18	2.00%	Semi-Annual Inspection / Assessment Reports, viz: Ambuklao HPP Binga HPP San Roque HPP Angat HPP Caliraya and Lumot Dams / Dykes Oversight Committee Inspection Reports, prepared by NPC and PSALM, viz: Amlan HPP Barit HPP Cawayan HPP Loboc HPP	Validated with internal documents

4	Component			Target Submission		ission	GCG Va	alidation	Supporting		
0	ojective/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	Remarks	
SM 1	Quantity 6: Percentage of target IECLHU at Angat, Ambuklao-Binga, San Roque, and Caliraya-Lumot dams ³	(No. of actual IEC/LGU sessions) + (Target No. of IEC/LGU sessions)	2.5%	100%	244%	2.50%	244%	2.50%	Summary of conducted IEC Post-Evaluation Feedback for Dams Reports on the Conduct of Informatin and Education Campaign, viz: Ambuklao and Binga Dam San Roque Dam Angat Dam Caliraya Dam	For 2015, 22 IEC/LGI were conducted, viz: Area Inclus Date Caliraya, 25-2 Laguna May Angat, 12-2 Bulacan May San Roque, 7-15 M Pangasinan Ambuklao- Binga, June Benguet Total The actual IEC session the target by 144%.	ive No. of sessions 77 3 77 12 77 12 78 8 3 8 9 22
SM 1	Feedback for dams	∑Participants' Ratings + No. of Participants	1%	3.50	4.79	1.00%	4.77	1.00%	Raw Data of IEC Post-Evaluation Feedack for Dams	Breakdown of IEC Po Feedback is as follow Area Caliraya-Lumot Angat San Roque Ambuklao-Binga	
SO 6	Ensure Custom	er/Stakeholder Sati	sfaction								
SM	Quality 10: Customer/Stak eholder Satisfaction	∑Respondents' Ratings + No. of Respondents	2%	Satisfactor y level	3.98	2.00%	3.98	2.00%	NPC Customer/ Stakeholder Satisfaction Survey (2015) prepared by Associated Resources for Management and Development, Inc. (ARMDEV)	The survey for NPC's is divided into 5 service respective ratings as public below: Service Area Missionary Electrification Main Grid Watershed Dam Corporate Total OSCR	e areas with
		Sub-total	55%			47.40%		47.40%			·

	Component			Target	Submis	ssion	GCG Va	lidation	Supporting	Remarks
Object	tive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	Remarks
SO 8	Ensure adequat	te fund sources for	sustainabili	ty and impro	ve corporate l	iquidity				
SM 20a	Quality 4a: Collection Efficiency with BASULTA Customers	Total Collections + Total Accounts Receivable	5%	49.65%	49.45%	4.98%	49.45%	4.98%	-	Collection efficiency improved in 2015 from 49.47% (w/ ARMM customers) and 96.80% (w/out ARMM customers) in 2014. For 2015, computation is as follows (in
SM 20b	Quality 4b: Collection Efficiency without BASULTA Customers	Total Collections (excluding BASULTA) + Total Accounts Receivable (excluding BASULTA)	5%	96.52%	98.47%	5.00%	98.47%	5.00%	•SPUG Power Receivables and Collection Efficiency as of December 2015	Millions): Coll. % excluding BASULTA Total Coll. 1,771.16 Total AR 1,798.67 Collection % 98.47% Coll. % including BASULTA Total Coll. 1,828.16 Total AR 3,697.01 Collection % 49.45%
SM 21	Financial 2: EBITDAS Margin with UCME ⁷	EBITDAS + (Total Revenue/Income)	18%	8%	32%	18.00%	32%	18.00%	EBITDAS Margin with UCME – Actual CY 2015 SPUG Generation Mix FY 2014 and 2015 SPUG Energy Sales FY 2014 and 2015	Earnings before Interest, Tax, Depreciation and Amortization for 2015 is computed below: (in Millions) EBITDAS 4,116 Total Revenue/ Income 12,854 EBITDAS Margin w/ UCME 32%
SO 9	Secure the Unr	egistered Lots unde	er OMA in S	upport of the	Disposal of A	ssets				
SM 22	Quantity 1: Filed Applications for Titling / Issuance of Decrees / Titles of Unregistered Lots under OMA	No. of Lots with Filed Applications for Titling/Issuances of Decrees/Titles	1%	20	36	1.00%	36	1.00%	Office of the Legal Counsel Land and Land Rights Department Accomplishment Report for CY2015 signed by VP M.P.Ridulme, OLC	Validated with internal documents

Annex A

	Component			1000	Target	Submi	ission	GCG Va	lidation	Supporting	Remarks
		ive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	INCIDENCE.
	9 7 ⊕8	Quality 1: Fixed Cost Efficiency in the Missionary Areas	Prudence to Optim ∑[PS + MOOE] + ∑(Gross Generation)	ize Use of F	Resources	5.42	2.17%	5.42	2.17%	Fixed Cost Efficiency in the Missionary Areas CY 2015 SPUG Generation Mix CY 2014 and 2015 Computation of Fixed Cost and MOOE in the Missionary Areas CY 2015	Fixed cost efficiency of SPUGs: Gross Generation, GWH (in millions) Fixed Costs (in millions) 2,196 Fixed Costs, P/kWh 5.42
FINANCIAL SS	M 18	Quality 2: Fixed Cost Efficiency in the Main Grids: ² Hydro Plants (Agus- Pulangi) Power Barges (PB 101, 102 and 104) ⁴	∑[PS + MOOE] + ∑(Energy Sales)	6%	0.23	0.24 7.26	2.87% 3.00%	0.24 7.26	2.87% 3.00%	Fixed Cost Efficiency in the Main Grids CY 2015 Mindanao Generation Production Cost For the period ending Dec. 25, 2015	Fixed cost efficiency in the main grid: Agus/Pulangi Energy Sales, GWH (in millions) Fixed Costs (in millions) Fixed Cost Efficiency, p/kWh PB 104 Energy Sales, GWH (in millions) Fixed Costs (in millions) Fixed Costs (in millions) Fixed Cost Efficiency, p/kWh
SN	M 19	Quality 3: OMA Budget Utilization Efficiency ^{5 & 6}	∑(Miscellaneous OMA Budget) + ∑(Energy Sales)	4%	0.08	0.08	4.00%	0.08	4.00%	OMA Budget Utilization Efficiency Rate CY 2015 Budget Utilization Report-Dec. 25, 2015 Mindanao Generation Production Cost For the period ending Dec. 25, 2015	OMA budget utilization efficiency: Miscellaneous OMA Budget Energy Sales OMA Budget Utilization Efficiency, P/kWh

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	Component				Target	Subm	ssion	GCG Va	alidation	Supporting	
*	Object	tive/Measure	Formula	Weight	2015	Actual	Rating	Score	Rating	Documents	Remarks
•	SO 10	Secure the Unro	egistered Lots unde	er Non-OMA	in Support o	of Operations					
	SM 23	Quantity 2: Filed Applications for Titling / Issuance of Decrees / Titles of Unregistered Lots under Non-OMA	No. of Lots with Filed Applications for Titling/ Issuance of Decrees/Titles	1%	20	16	0.80%	16	0.80%	Office of the Legal Counsel Land and Land Rights Department Accomplishment Report for CY2015 signed by VP M.P.Ridulme, OLC	Validated with internal documents
		· · · · · · · · · · · · · · · · · · ·	Sub-total	43%			41.82%		41.82%		
	SO 11	Ensure Employ	ee Productivity and	Competen	су						:
LEARNING AND GROWTH	SM 24	Quantity 3: No. of officials/staff trained per relevant programs Managerial Supervisory Rank and File	∑(Actual No. of Personnel Trained x Actual No. of Programs Implemented) + ∑(Target No. of Personnel x Target No. of Programs)	2%	90% 90% 90%	100% 100% 100%	2%	100% 100% 100%	2%	NPC Training and Development Division Performance Evaluation System Annual Monitoring Report	Number of personnel trained is summarized below: Target Actual Validated Managerial 248 274 Supervisory 1,090 1,136 Rank & File 853 1,295 TOTAL 2,191 2,705
	Sub-total 2%						2.00%	-	2.00%		•
	TOTAL 100%						91.22%		91.22%		