



TransCo
NATIONAL TRANSMISSION CORPORATION
North Luzon Transco
Ilocos District



EXECUTIVE BRIEFS ON THE OPERATION OF THE
25MW NORTHWIND POWER PLANT
BANGUI BAY, BANGUI, ILOCOS NORTE

1. Plant Capacity — **25 MW**
2. Number of Wind Turbine Generator (WTG) — **15 @ 1.65 MW/ unit**
3. RPM Ratio- Propeller to WTG — **14 RPM: 1200 RPM or 1:85**
4. Substation Capacity — **30 MVA, 69/13.8 KV**
5. Transmission Lines — **69 KV, 57 kms., with 616 structures, combination of steel pole/ concrete pole.**
6. Date of Provisionary Energization — **March 18, 2005**
7. Start of Commercial Operation — **April 2005**
8. Total Energy (KWH) Generated since April 2005 to March 2008 — **147,740,460 KWH**
9. Total Estimated Revenue @ **Php 4.9731/KWH**
April 2005 – March 2008 — **Php 723,881,059.27**
or approximately — **Php 724 M**

Prepared by:


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NATIONAL TRANSMISSION CORPORATION
NORTH LUZON OPERATION AND MAINTENANCE
 DISTRICT 1 (ILOCOS AREA)



ENERGY GENERATION, KWH
OF NORTHWIND POWER PLANT
April 26, 2005- March 25, 2008

Year	Month	KWHR		Total (A-B) KWHR
		Generated (A)	Consumed (B)	
2005	April	20,893	6,110	14,783
	May	849,543	61,600	787,943
	June	1,265,880	36,855	1,229,025
	July	1,854,580	52,360	1,802,220
	August	1,665,216	45,850	1,619,366
	September	1,826,440	32,536	1,793,904
	October	3,083,010	15,890	3,067,120
	November	3,388,287	21,093	3,367,194
December	3,403,449	9,229	3,394,220	
Sub-Total		17,357,298	281,523	17,075,775
2006	January	3,017,630	30,282	2,987,348
	February	6,059,774	24,402	6,035,372
	March	3,975,062	25,088	3,949,974
	April	2,774,716	60,578	2,714,138
	May	2,083,256	67,298	2,015,958
	June	1,672,328	59,668	1,612,660
	July	3,040,254	26,026	3,014,228
	August	2,516,486	34,706	2,481,780
	September	1,388,870	42,210	1,346,660
	October	6,465,788	18,746	6,447,042
	November	5,961,214	47,068	5,914,146
	December	11,906,174	14,196	11,891,978
Sub-Total		50,861,552	450,268	50,411,284
2007	January	9,550,534	30,520	9,520,014
	February	5,047,980	49,166	4,998,814
	March	4,521,286	51,478	4,469,808
	April	3,820,978	68,404	3,752,574
	May	2,107,910	56,434	2,051,476
	June	901,082	60,088	840,994
	July	1,333,906	59,318	1,274,588
	August	3,388,042	42,882	3,345,160
	September	1,507,324	58,968	1,448,356
	October	7,772,030	25,424	7,746,606
	November	9,321,214	17,626	9,303,588
	December	6,887,006	230,776	6,656,230
Sub-Total		56,159,292	751,084	55,408,208
2008	January	7,900,508	174,062	7,726,446
	February	8,749,076	220,626	8,528,450
	March	6,712,734	303,576	6,409,158
Sub-Total		23,362,318	698,264	22,664,054
Total		147,740,460	2,181,139	145,559,321

Effective Northwind rate to INEC

= Php 4.9731 / KWH
 = Php 723,881,059.27
 or approximately,
 = Php 724 M