

2020 - WESM STATISTICS	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
REGISTERED CAPACITY (Megawatts, MW)										
Luzon										
End of Billing Year	11,439	12,203	12,497	13,024	13,784	14,470	15,330	15,478	16,477	17,193
Visayas										
End of Billing Year	2,270	2,128	2,128	2,192	2,318	3,005	3,082	3,424	3,665	3,680
System										
End of Billing Year	13,709	14,331	14,625	15,216	16,102	17,475	18,412	18,902	20,142	20,873
CAPACITY OFFERS (Megawatts, MW)										
Luzon										
Min	4,692	5,482	4,775	3,571	5,626	7,511	7,276	8,425	8,112	8,366
Max	8,140	8,695	9,050	9,061	10,190	11,833	12,117	12,691	13,692	13,300
Ave	6,866	7,162	7,597	7,710	8,185	9,540	10,202	10,902	10,845	11,232
Visayas										
Min	931	1,198	964	998	945	1,172	1,273	1,538	1,514	1,670
Max	1,705	1,736	1,766	1,665	1,744	2,293	2,463	2,591	2,886	2,905
Ave	1,452	1,545	1,538	1,468	1,491	1,722	1,966	2,090	2,301	2,377
System										
Min	6,021	6,974	5,931	4,895	5,662	8,863	9,360	10,299	10,393	10,572
Max	9,671	10,298	10,759	10,654	10,213	13,973	14,332	15,079	16,117	15,994
Ave	8,318	8,707	9,135	9,178	8,207	11,261	12,168	12,992	13,146	13,609
DEMAND (Megawatts, MW)										
Luzon										
Min	2,539	3,142	3,535	1,063	3,440	3,918	4,223	4,423	4,289	2,675
Max	7,530	7,898	8,237	8,671	8,867	9,668	10,022	10,812	11,307	11,065
Ave	5,605	5,892	6,142	6,283	6,622	7,190	7,557	8,026	8,441	7,952
Visayas										
Min	631	620	116	437	347	827	829	862	1,012	1,060
Max	1,447	1,486	1,572	1,550	1,684	1,831	5,770	2,008	2,201	2,201
Ave	1,042	1,098	1,124	1,124	1,171	1,329	1,410	1,511	1,645	1,594
System										
Min	3,614	3,979	4,349	2,338	4,219	4,765	5,208	5,354	5,362	3,982
Max	8,849	9,303	9,735	10,145	10,342	11,434	13,888	12,787	13,450	13,181
Ave	6,648	6,990	7,266	7,407	7,793	8,519	8,967	9,537	10,086	9,546
SUPPLY-DEMAND MARGIN (Megawatts, MW)										
Luzon										
Min	-533	-796	-892	-1,324	-1,072	-33	-441	359	-528	283
Max	4,328	5,206	4,247	5,111	5,351	6,004	6,291	6,988	7,001	8,349
Ave	1,261	1,271	1,455	1,426	1,563	2,349	2,645	2,876	2,404	3,280
Visayas										
Min	5	-44	-251	-148	-221	-193	-3,513	-77	-77	-49
Max	809	949	1,508	1,022	1,092	1,056	1,207	1,135	1,542	1,411

Ave	410	447	415	344	320	393	556	579	656	783
System										
Min	-240	-560	-786	-1,092	-2,320	-37	-2,152	771	-184	713
Max	4,686	5,786	4,727	5,800	4,532	7,040	7,129	7,870	8,072	9,324
Ave	1,671	1,718	1,871	1,771	414	2,742	3,201	3,455	3,060	4,063
GWAP (RTD) (PhP/MWh)										
Luzon										
Min	-493	-661	0	-100,683	-953	-98,836	0	-10,107	-10,245	-519
Max	62,529	62,212	62,730	32,017	29,075	32,574	32,744	31,634	39,112	35,166
Ave	3,777	4,847	4,902	4,543	3,443	2,707	3,200	3,366	4,726	2,257
Visayas										
Min	0	-505	-146,291	-97,002	-942	-95,978	-10,717	-10,607	-10,414	-10,351
Max	62,579	62,000	63,525	32,000	28,990	32,530	32,524	32,075	39,325	35,324
Ave	3,617	4,766	3,725	3,520	3,575	2,621	2,709	3,347	4,436	2,185
System										
Min	-402	-531	-19,369	-86,736	-935	-98,305	-590	-10,127	-10,221	-2,693
Max	62,519	62,000	56,388	32,000	29,007	32,527	32,378	31,711	39,155	35,195
Ave	3,752	4,834	4,744	4,380	3,463	2,693	3,102	3,363	4,674	2,242
LWAP (RTD) (PhP/MWh)										
Luzon										
Min	-502	-674	0	-102,726	-972	-100,654	-1,022	-10,359	-10,469	-9,113
Max	64,732	64,507	64,950	32,859	30,273	33,530	33,798	32,828	40,292	36,196
Ave	3,904	5,012	5,958	4,616	3,553	2,774	3,290	3,473	4,831	2,370
Visayas										
Min	0	-530	-256	-101,651	-1,001	-100,654	-12,573	-10,951	-10,488	-10,593
Max	64,716	63,092	65,558	32,852	30,236	33,467	33,348	32,827	40,293	36,196
Ave	3,785	4,981	3,821	3,745	3,735	2,756	2,642	3,469	4,624	2,319
System										
Min	-410	-519	0	-84,433	-953	-100,654	-2,661	-10,359	-10,469	-10,438
Max	64,696	64,125	64,950	32,859	30,234	33,467	33,347	32,827	40,293	36,196
Ave	3,883	5,022	5,928	4,506	3,580	2,793	3,192	3,473	4,834	2,365
ESSP (PhP/MWh)										
Luzon										
Min	4,300	3,899	3,178	2,396	2,224	2,213	2,033	2,384	2,097	1,480
Max	8,562	13,052	28,239	12,598	7,443	5,930	4,915	5,375	8,412	3,456
Ave	6,046	7,396	8,688	5,658	4,317	3,340	3,494	3,712	5,609	2,450
Visayas										
Min	940	1,760	1,130	1,888	2,502	2,182	1,067	2,547	2,468	1,549
Max	18,487	9,016	7,404	8,661	112,262	5,377	4,087	5,664	8,191	4,065
Ave	6,028	4,755	3,922	5,322	13,777	3,325	3,067	3,874	5,363	2,479
System										
Min	2,554	3,572	3,163	2,314	2,280	2,228	1,901	2,410	2,178	1,503

Max	8,192	12,667	25,667	12,297	7,630	5,787	4,055	5,412	8,376	3,526
Ave	5,117	7,037	7,935	5,577	4,456	3,326	3,369	3,691	5,425	2,450
HVDC (Megawatts, MW)										
Visayas to Luzon										
Percentage of time	80%	86%	73%	55%	71%	57%	63%	58%	76%	71%
Min Flow	1	0	0	15	6	5	19	17	19	17
Max Flow	346	413	369	416	355	362	436	402	424	428
Ave	134	183	149	163	167	170	206	186	231	189
Luzon to Visayas										
Percentage of time	11%	10%	15%	22%	26%	40%	18%	39%	20%	26%
Min Flow	1	0	0	0	0	0	0	0	0	0
Max Flow	146	161	213	277	310	213	239	264	259	228
Ave	35	58	62	60	49	52	54	65	55	67
SPOT QUANTITY (CUSTOMER) (Percentage, %)										
Luzon										
Min	4%	6%	7%	5%	6%	7%	11%	12%	8%	7%
Max	13%	13%	14%	9%	10%	20%	20%	19%	14%	17%
Ave	8%	8%	11%	7%	8%	12%	15%	17%	11%	12%
Visayas										
Min	1%	-3%	-2%	3%	0%	13%	12%	15%	2%	11%
Max	26%	11%	11%	10%	17%	21%	28%	22%	20%	19%
Ave	7%	6%	5%	7%	9%	17%	19%	19%	13%	14%
System										
Min	4%	6%	6%	5%	6%	8%	11%	13%	8%	9%
Max	12%	12%	13%	8%	10%	19%	20%	20%	15%	16%
Ave	8%	8%	10%	7%	8%	13%	16%	17%	11%	12%

Data Source: Market Operator

Notes: GWAP - Generator Weighted Average Price

LWAP - Load Weighted Average Price

ESSP - Effective Settlement Spot Price

HVDC - High Voltage Direct Current

RTD - Real Time Dispatch