

Attachment 12 – Ausgrid’s pass through application
Summary of severe weather warnings issued by the Bureau of
Meteorology

August 2015



ATTACHMENT 12 – SUMMARY OF SEVERE WEATHER WARNINGS

Bureau of Meteorology (BOM) severe weather warning for Sydney Metropolitan, Hunter district, Central Coast and Illawarra		
Date BOM warning issued	Time of issue	Summary of severe warning
Sun 19 April	4.04 PM	<ul style="list-style-type: none"> DAMAGING WINDs around 50 km/h with peak gusts of 90 km/h for Monday afternoon. Low pressure system to intensify, strong to gale-force wind.
Mon 20 Apr	10.42 PM	<ul style="list-style-type: none"> DAMAGING WIND averaging 60 km/h with gust of 90 km/h.
	4.31 AM	<ul style="list-style-type: none"> DAMAGING WIND averaging 55-65 km/h with gust about 100 km/h Localised heavy rain for later Monday. GALE-FORCE wind expected to continue to Tuesday.
	11.39 AM	<ul style="list-style-type: none"> DAMAGING WINDS averaging 55 to 70 km/h with gust to 100 km/h and heavy rain later Monday and continuing to Tuesday. Rain expected to be wide spread, heaviest rain likely over Hunter Valley, hence <u>local flooding</u> possible. Condition expected to be worst in Newcastle and Nelson bay area later Tuesday.
	4.38 PM	<ul style="list-style-type: none"> DAMAGING WINDS averaging 50 to 70 km/h with gusts to about 100 km/h are forecast to continue. Rain expected to be wide spread, heaviest rain likely over Hunter Valley, hence local flooding possible. Conditions are currently expected to be worst in the Newcastle and Nelson bay area later Tuesday.
	9.51 PM	<ul style="list-style-type: none"> DESTRUCTIVE WINDS around 90 km/h with peak gusts of 125 km/h forecast for Hunter, including Central Coast overnight and Tuesday. Rain expected to be wide spread, heaviest rain likely over Hunter Valley, hence local flooding possible. DAMAGING WINDS averaging 60 to 70 km/h with gusts to about 100 km/h are forecast to continue for Metropolitan, and Illawarra overnight and Tuesday.
	10.07 PM	<ul style="list-style-type: none"> DESTRUCTIVE WINDS around 90 km/h with peak gusts of 125 km/h are forecast for parts of the Hunter including the Central Coast, overnight and Tuesday. DAMAGING WINDS averaging 60 to 70 km/h with gusts to about 100 km/h are forecast to continue for Metropolitan, Mid North Coast and Illawarra forecast districts overnight and Tuesday. HEAVY RAINFALL widespread overnight and Tuesday, hence local flooding possible. Heaviest rain is likely for Hunter district
Tue 21 Apr	3.36 AM	<ul style="list-style-type: none"> DESTRUCTIVE WINDS around 90 km/h with peak gusts of 125 km/h are forecast for parts of the Hunter forecast district, including the Central Coast today. DAMAGING WINDS averaging 60 to 70 km/h with gusts to about 100 km/h are forecast to continue for Metropolitan, Mid North Coast and Illawarra forecast districts today. HEAVY RAINFALL widespread today, local flooding possible. The heaviest rain likely the Hunter District. <p><u>Recorded wind gust:</u> 120 km/h at Norah Head and Nobbys Head and 90 to 100 km/h at Williamstown, North Head, Sydney Airport. <u>Recorded rain fall since 9am Mon:</u> 237 mm at Crawford (near_Bulahdelah) 152mm at Wallsend and 149mm at Wahroonga.</p>

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Tue 21 Apr	5.05 AM	<ul style="list-style-type: none"> DESTRUCTIVE WINDS averaging 90 to 100 km/h with peak gusts up to 135 km/h are forecast for coastal parts of the Hunter forecast district (including the Central Coast) today. DAMAGING WINDS averaging 60 to 70 km/h with gusts to about 100 km/h are forecast to continue along the coastal fringe of the Metropolitan, Mid North Coast and Illawarra forecast districts today. HEAVY RAINFALL is likely in the Hunter district, but also possible about the Metropolitan, Illawarra, and southern Mid North Coast today. <p><u>Recorded wind gust:</u> 135 km/h at Norah Head, 120 km/h at Nobbys Head, 90 to 100 km/h at Williamtown, North Head, and Sydney Airport. <u>Rainfall since 9am Monday:</u> 258 mm at Crawford (near Bulahdelah), 161 mm at Wallsend, 161 mm at Wahroonga (Sydney).</p>
	8.22 am and 8.54 am and 11.23 AM	<ul style="list-style-type: none"> <i>A line of THUNDERSTORM causing intense rain fall;</i> location affected included Hunter Valley, Nelson Bay to Branxton, Williamtown, Tocal, Raymond Terrace and Newcastle. DESTRUCTIVE WINDS averaging 90 to 100 km/h with peak gusts up to 135 km/h are forecast for coastal parts of the Hunter forecast district (including the Central Coast) today. DAMAGING WINDS averaging 60 to 70 km/h with gusts to about 100 km/h are forecast to continue along the coastal fringe of the Metropolitan and Illawarra forecast districts today. HEAVY RAINFALL is likely in the Hunter district, but also possible about the Metropolitan and Illawarra districts. <p><u>Recorded wind gusts:</u> 135 km/h at Norah Head, 120 km/h at Nobbys Head, 90 to 100 km/h at Williamtown, North Head, and Sydney Airport. <u>Rainfall since 9am Monday:</u> 312 mm at Dungog, 259 mm at Crawford (near Bulahdelah), 176 mm at Wallsend, 171 mm at Wahroonga (Sydney). <u>Rainfall totals between 9am and 11am include:</u> Tocal 81 mm and Elderslie 66 mm (both in the Hunter Valley).</p>
	2.01 PM	<ul style="list-style-type: none"> An intense low pressure system just off the coast near Newcastle is expected to move gradually southwards this afternoon and evening. <i>At 2pm severe thunderstorms were occurring</i> about the northern Hunter coast causing localised very intense rainfall. DESTRUCTIVE WINDS averaging 90 to 100 km/h with peak gusts up to 135 km/h are forecast for coastal parts of the Hunter forecast district (including the Central Coast) today. DAMAGING WINDS averaging 60 to 70 km/h with gusts to about 100 km/h are forecast to continue along the coastal fringe of the Metropolitan and Illawarra forecast districts today. HEAVY RAINFALL is likely in the Hunter district, but also possible about the Metropolitan and Illawarra districts. <p><u>Recorded wind gusts to date include:</u> 135 km/h at Norah Head, 120 km/h at Nobby's Head, 110 km/h at Williamtown, 107 km/h at Molineaux Point, 90 to 100 km/h at North Head, and Sydney Airport. <u>Rainfall totals from 9am Monday to 9am Tuesday include:</u> 312 mm at Dungog, 259 mm at Crawford (near Bulahdelah), 186 mm at Wallsend, and 172 mm at Wahroonga (Sydney). <u>Rainfall totals between 9am and 1:30pm include:</u> Maitland 243 mm, Seaham 152 mm and Tocal 119 mm (all in the Hunter Valley).</p>

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Tue 21 Apr	3.09 PM, 5.19 PM, 8.09 PM and 11.04 PM	<ul style="list-style-type: none"> A small intense low pressure system is currently moving slowly towards the NSW Central Coast (forecast at the beginning of Tuesday). By the afternoon forecast was that the low pressure remained centred off Hunter coast near Newcastle and remain slow moving over Tuesday night. Conditions will <u>deteriorate over the next several</u> hours with severe wind gusts and very heavy rainfall likely for peak hour into early evening. Conditions are expected to slowly ease overnight tonight and into Wednesday as the low gradually begins to weaken. DESTRUCTIVE WINDS averaging 90 to 100 km/h with peak gusts up to 125 km/h are forecast for coastal parts of the Hunter forecast district (including the Central Coast) for Tuesday night and early Wednesday. DAMAGING WINDS averaging 60 to 70 km/h with gusts to about 100 km/h are forecast to continue along the coastal fringe of the Metropolitan and Illawarra forecast districts. THUNDERSTORM and HEAVY RAINFALL is likely in the Hunter district including the Central Coast, the Metropolitan and Illawarra districts, leading to FLASH FLOODING. <p><u>Wind gusts to date include:</u> 135 km/h at Norah Head, 120 km/h at Nobby's Head, 110 km/h at Williamtown, 107 km/h at Molineaux Point and Sydney Airport.</p> <p><u>Rainfall totals from 9am Monday to 9am Tuesday include:</u> 312 mm at Dungog, 259 mm at Crawford (near Bulahdelah), 186 mm at Wallsend, 172 mm at Wahroonga (Sydney).</p> <p><u>Rainfall totals from 9am to 8pm today include:</u> Maitland 292 mm, Seaham 152 mm and Tocal 158 mm (all in the Hunter Valley).</p>
Wed 22 Apr	4.16 AM	<ul style="list-style-type: none"> At 4 am an intense low pressure system was centred just off the Hunter coast near Newcastle. This low is expected to remain slow-moving , maintaining vigorous winds, large seas, and periods of heavy rain and thunderstorms. Conditions are expected to slowly ease during Wednesday as the low weakens. DAMAGING WINDS averaging 60 to 70 km/h with peak gusts of 100 km/h are forecast for the coastal fringe. HEAVY RAIN and THUNDERSTORMS, which may lead to FLASH FLOODING are forecast for parts of the Metropolitan, Hunter and Illawarra forecast districts. <p><u>Rainfall totals from 9am yesterday to 4am today include:</u> Maitland 301 mm, Seaham 152 mm and Tocal 171 mm (all in the Hunter Valley), Wallsend 125mm, Wyee\ 112mm, Hornsby 109mm.</p>
	9.58 AM	<ul style="list-style-type: none"> At 9 am a low pressure system was centred just off the Hunter coast. This low is expected to remain slow-moving and gradually weaken. Periods of heavy rainfall, thunderstorms and squally winds are continuing though the Illawarra and Sydney Metropolitan areas although the widespread sustained gale force winds have eased. The most severe conditions have peaked and will continue to ease during Wednesday as the low weakens. Brief periods of DAMAGING WINDS with peak gusts of 100 km/h are possible at times along the coastal fringe. HEAVY RAIN and THUNDERSTORMS, which may lead to FLASH FLOODING, are forecast for parts of the Metropolitan and Illawarra forecast districts although conditions will gradually improve into this afternoon. <p><u>Rainfall totals from 9am yesterday to 4am today include:</u> Maitland 308 mm and Seaham 198 mm (both in the Hunter Valley), Reverces 176mm (Illawarra), Wallsend 131mm, Hornsby 135mm.</p>

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Wed 22 Apr	2.44 PM	<ul style="list-style-type: none"> At 2pm a low pressure system remained centred off the Hunter coast. This low is expected to remain slow-moving and gradually weaken. A trough extends south from the low towards the NSW South Coast. Periods of heavy rainfall (which may lead to flash flooding) and squally winds are still possible through the Illawarra area this afternoon although the widespread sustained gale force winds have eased. Rain and winds are expected to increase on the South Coast this afternoon. Overall the most severe conditions have peaked and will continue to ease during Wednesday as the low weakens. Brief periods of DAMAGING WINDS with peak gusts of 100 km/h are possible at times along the coastal fringe. <p><u>Rainfall totals in the 24 hours from 9am Tuesday to 9am today include:</u> Maitland 308 mm and Seaham 198 mm (both in the Hunter Valley), Reverces 176mm (Illawarra), Wallsend 131mm, Hornsby 135mm. <u>In the 5 hours from 9am to 2pm further rainfall totals include:</u> Cronulla 77mm, Sans Souci 66mm and Bankstown 56mm (all in Sydney).</p>
	4.47 PM	<ul style="list-style-type: none"> At 4pm a low pressure system remained centred off the Hunter coast. This low is expected to remain slow-moving and gradually weaken. A trough extends south from the low towards the NSW South Coast. Periods of heavy rainfall and squally winds are still possible through the Illawarra area this evening although the widespread sustained gale force winds have eased. Rain and winds are expected to increase on the South Coast this afternoon and conditions will be closely monitored for severe weather and warnings issued if required. Overall the most severe conditions have peaked and will continue to ease during Wednesday as the low weakens. Brief periods of DAMAGING WINDS with peak gusts of 100 km/h are possible at times along the coastal fringe. Periods of HEAVY RAIN, which may lead to FLASH FLOODING are forecast for parts of the Illawarra districts although conditions will gradually improve this afternoon. Showers are continuing; however these are no longer expected to be as heavy and winds have eased. After such high recent rainfall there may still be areas of local flooding occurring. <p><u>Rainfall totals in the 24 hours from 9am Tuesday to 9am today include:</u> Maitland 308 mm and Seaham 198 mm (both in the Hunter Valley), Reverces 176mm (Illawarra), Wallsend 131mm, Hornsby 135mm. <u>In the 7 hours from 9am to 4pm further rainfall totals include:</u> Cronulla 79mm, Sans Souci 66mm, Peakhurst 63mm and Bankstown 56mm (all in Sydney).</p>
	10.22 PM	<ul style="list-style-type: none"> At 10pm a weakening low pressure system was centred off the Hunter coast. This low is expected to remain in the region during the next 24 hours, but will continue to weaken into a broad trough over the Tasman Sea. Showers are continuing along the much of NSW coast and adjacent ranges, and are most frequent near the coast south from the Hunter district. Isolated thunderstorms are also possible along the coast. Further large rainfall accumulations are considered unlikely, although some showers or thunderstorms may bring bursts of intense rain. From 9am to 10pm today rain totals include: Cronulla 92mm, Sans Souci 78mm, Peakhurst 69mm and Bankstown 56mm (all in Sydney). Note that due to high recent rainfall there may still be areas of local flooding occurring, and several Flood Warnings remain in place.