



## Meeting of the HB Civil Defence Emergency Management Group Joint Committee

**Date:** Monday 24 March 2025  
**Time:** 1.30pm  
**Venue:** Council Chamber  
Hawke's Bay Regional Council  
159 Dalton Street  
NAPIER

### Attachments Excluded From Agenda

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Item	Title	Page
<b>4.</b>	<b>National Space Weather Response Plan</b>	
	Attachment 2: How does space weather affect us?	3
<b>5.</b>	<b>Transformation Strategy implementation update</b>	
	Attachment 2: HB CDEM Transformation Dashboard March 25	4

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March 2025

# Our Hazards: Space Weather



## Keeping New Zealand Safe

### What are we doing about space weather?

- NEMA monitors space weather notifications and information from international partners.
- If New Zealand will be affected, NEMA will alert the public and the emergency management system.
- NEMA will activate the National Space Weather Response Plan.

### What can you do about space weather?

- In an extreme space weather event, electricity networks could be shut down to protect the grid from serious damage. Power could be out for 6 days.
- Make sure you have a backup plan if you are medically dependent on power.
- Get ready by having a "prep talk" with your family. What will you do when the power goes out?
- Get emergency supplies together and get to know your neighbours.



## How does space weather affect us?

### 6 days without power

if action is not taken to protect our infrastructure, space weather could cause devastating impacts. Protective actions could cause short term negative impacts (like having no power for 6 days) to avoid more severe long-term impacts like having no power for days, weeks or months!

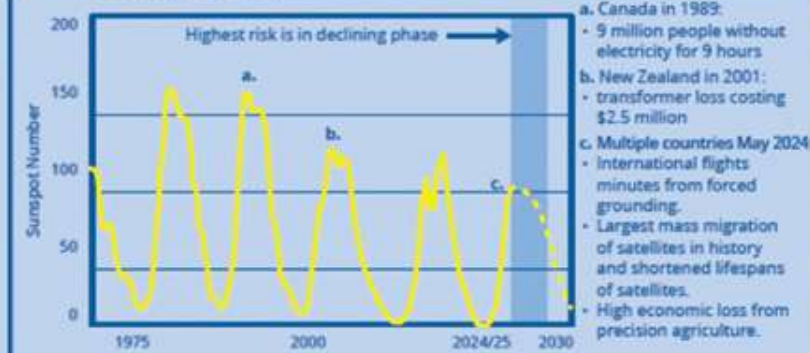
**15,000**

number of New Zealanders medically dependent on electricity.

**\$6.2 billion**  
**over 3 days**

estimated cost of shutting down the electricity grid.

### Solar Cycle



In 1859, astronomer Richard Carrington observed a large solar flare. The biggest geomagnetic storm in recorded history followed. Telegraph poles emitted sparks and operators suffered electric shocks. If a similar event happened today, the impacts could be catastrophic.

## Event likelihood in the next 50 years

Event	Likelihood
<b>Space weather event (May 2024) — equivalent</b>	<b>Almost certain</b>
Whakaari / Ruapehu / Tongariro / Ngauruhoe ash producing eruption	Almost certain
Cyclone Gabrielle (2023) — equivalent	80%
Alpine fault — M8 earthquake	75%
<b>Space weather event — extreme</b>	<b>30%</b>
Taranaki eruption — small	30%
Hikurangi subduction zone earthquake and tsunami — M8+	25%
South American — M9+ earthquake and NZ tsunami	25%
Auckland volcanic eruption	10%
Wellington fault — M7.5 earthquake	5%
Taranaki eruption — large	1%
Hikurangi subduction zone earthquake and tsunami — M9.1	1%

### Did you know?

Events that have a low likelihood can and do happen. Before the 2010-11 Canterbury earthquakes, an event like that had a less than 1% likelihood.

National Space Weather Response Plan



Find out more about the hazard at: [sws.bom.gov.au](http://sws.bom.gov.au)



Find out more about the impacts of having no power at: [getready.govt.nz](http://getready.govt.nz)



HB CDEM Transformation Dashboard		
Author: Matt Boggs, Director HB CDEM Transformation	Correct as at: 14 Mar 25	Programme Status <span style="float: right; background-color: #92d050; width: 20px; height: 15px; display: inline-block;"></span>

**General Narrative**

The HB CDEM Transformation Programme remains on track.

The dashboard information for each of the 7 key focus areas with corresponding narratives have been included below. The detail on the dashboard will greatly expand as the HB CDEM Transformation Programme rolls out over the next 3-years

In addition to the information provided below the following narrative is offered

- Manawhenua engagement continues. It is anticipated that at the next HB CDEM Group Joint Committee a summary of engagement to date will be available for discussion and review
- Training and exercise focus area progressing well. Good uptake from staff. Creating space for the tabletop, EOC exercises and Regional exercise over the period Jul – Nov will be an important factor in this focus areas success

<b>Legend</b>	<b>On track, no issues</b>	<b>Off track, some issues</b>	<b>Falling, Major issues</b>	<b>Not started</b>	<b>Improved: +</b>	<b>Worsened: -</b>
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As a result:</p> <ul style="list-style-type: none"> <li>• There will be a requirement for the HB CDEM Group office to re-locate – potentially sometime in 2026</li> <li>• There will be a requirement to fund the leasing, modification or construction of a new, suitable HB CDEM ECC</li> <li>• There will be the likelihood of the HB CDEM Group and ECC will require interim solutions until a more permanent solution can be developed</li> </ul>	Infrastructure and Assets Plan	Jan – Mar 25	<span style="background-color: black; color: black;"> </span>	Communication review	Mar 25 onwards	<span style="background-color: black; color: black;"> </span>	Early Warning system review	May 25 onwards	<span style="background-color: black; color: black;"> </span>	ICT review	Oct 24 – May 25	<span style="background-color: #92d050; border: 1px solid black; padding: 2px;"> </span>	Common operating picture review	Oct 24 – May 25	<span style="background-color: #92d050; border: 1px solid black; padding: 2px;"> </span>	EOC and ECC review	Mar 25 onwards	<span style="background-color: #92d050; border: 1px solid black; padding: 2px;"> </span>	Fleet review	May 25 onwards	<span style="background-color: black; color: black;"> </span>	Business case development	2026 onwards	<span style="background-color: black; color: black;"> </span>	<p><b>Training and Exercising</b> <span style="float: right;"><b>Status</b> <span style="background-color: #92d050; border: 1px solid black; padding: 2px;"> </span></span></p> <table border="1"> <tr><td>Exercise design</td><td>Feb – May 25</td><td><span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span></td></tr> <tr><td>EOC and ECC exercises</td><td>Jul – Sep 25, 26, 27</td><td><span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span></td></tr> <tr><td>Combined Regional Exercise</td><td>Nov 25, 27</td><td><span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span></td></tr> <tr><td>Pre-requisite individual training</td><td>Feb – Mar 25</td><td><span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span></td></tr> <tr><td>Function training</td><td>Mar – Jun 25, 26, 27</td><td><span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span></td></tr> </table> <p><b>Narrative</b> Exercises On 15 Jan 25 an Exercise Designer was recruited on a fixed term and part-time basis. DRAFT Exercise design being reviewed</p> <ul style="list-style-type: none"> <li>• Mar – Apr: Local TA engagement</li> <li>• Mar: Confirmation of dates</li> <li>• May – Jun: Planning conferences</li> <li>• Jul – Sep: Tabletop exercises</li> <li>• Aug – Sep: EOC exercises</li> <li>• Nov: Regional Exercise</li> </ul> <p>Training • Function Training: Mid Mar to Early Jun • Contract signed with Resilient Organisations</p> <table border="1" style="width: 100%;"> <thead> <tr><th colspan="3">2025 Plan</th></tr> <tr><th>Capability Pathway</th><th>Course</th><th>Number of People</th></tr> </thead> <tbody> <tr><td rowspan="10">Coordination Centre pathway</td><td>EM Essentials</td><td rowspan="2">385</td></tr> <tr><td>Working in a Coordination Centre</td></tr> <tr><td>Intelligence Planning</td><td rowspan="4">240</td></tr> <tr><td>Operations</td></tr> <tr><td>Logistics</td></tr> <tr><td>Welfare</td></tr> <tr><td>Safety</td><td rowspan="4">12 courses, includes 2 exclusively in Wairoa</td></tr> <tr><td>PIM</td></tr> <tr><td>Recovery</td></tr> <tr><td>Māori</td></tr> <tr><td>Managing in a Coordination Centre</td><td rowspan="2">240</td></tr> <tr><td>Needs Assessment</td></tr> <tr><td>Welfare pathway</td><td>Working in a Civil Defence Centre</td><td>240</td></tr> </tbody> </table>	Exercise design	Feb – May 25	<span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span>	EOC and ECC exercises	Jul – Sep 25, 26, 27	<span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span>	Combined Regional Exercise	Nov 25, 27	<span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span>	Pre-requisite individual training	Feb – Mar 25	<span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span>	Function training	Mar – Jun 25, 26, 27	<span style="background-color: #92d050; border: 1px solid black; padding: 2px;">(+)</span>	2025 Plan			Capability Pathway	Course	Number of People	Coordination Centre pathway	EM Essentials	385	Working in a Coordination Centre	Intelligence Planning	240	Operations	Logistics	Welfare	Safety	12 courses, includes 2 exclusively in Wairoa	PIM	Recovery	Māori	Managing in a Coordination Centre	240	Needs Assessment	Welfare pathway	Working in a Civil Defence Centre	240
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Service Level Agreements	Status	
DRAFT Service Level Agreement	Feb – May 25	(+)
DRAFT Roles and Responsibilities	Feb May 25	(+)
FINAL Service Level Agreement	Feb 26	
FINAL Roles and Responsibilities	Feb 26	
<b>Narrative</b> DRAFT SLA and Roles and Responsibilities being produced. On track with no issues to date.  A SLA working group has been established with representatives from each local TA with the first meeting held on 10 Mar 25. Areas requiring focus ID as: <ul style="list-style-type: none"><li>• Hazard planning</li><li>• Plans</li><li>• Training</li><li>• Staffing</li><li>• Minimum standards and assurance</li></ul> A Operational working group has been established with representatives from each local TRA, ESCC and other key stakeholders for the purpose of staying aligned. First meeting held on 10 Mar 25. Areas ID requiring further detail are: <ul style="list-style-type: none"><li>• Escalation approaches – Local event to Regional event</li><li>• Training</li><li>• Minimum standards</li></ul>		