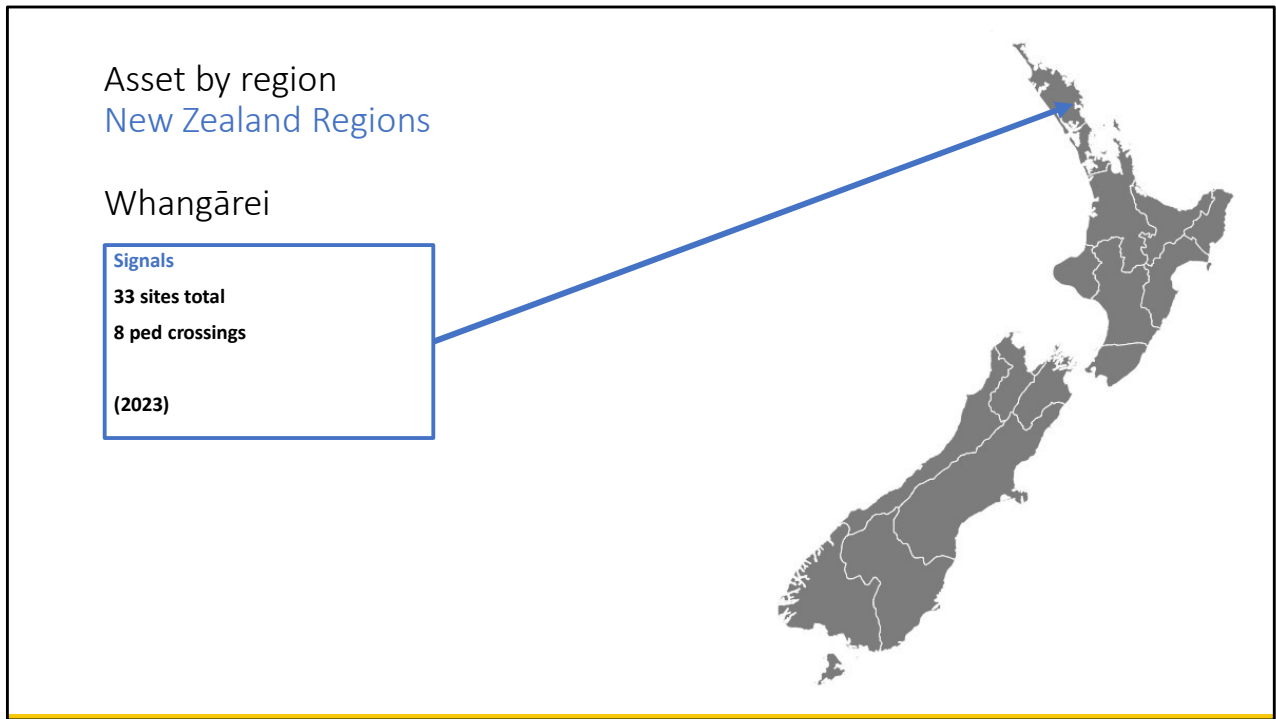




SNUG REGIONAL ASSET UPDATE – AUGUST 2023

RCA Assets

New Zealand Region	2021				2022					2023							
	Signal	Crossings	CCTV	VC6	Signal	Crossings	CCTV	VC6	ELV	Signal	Crossings	SCATS	VC6	ELV	Fibre	4G Cellular/ Radio	Raised Safety Platforms
Whangarei District Council (WDC)	32	8			32	8				33	8				11	22	
Auckland Transport Operations Centre (ATOC)					970	201	859	17		1009		1009	125	3	564	133	30
Hamilton City Council (HCC)	72	42	84	17	77	45	87	43	12	127	47	127	55	20	47	52	20
Tauranga City Council (TCC)	61	15	300	6	65	18	350	6		79		79	24	19	9	46	1
Gisborne District Council (GDC)																	
Hastings District Council (HDC)																	
Napier City Council (NCC)																	
New Plymouth District Council (NPDC)					6	2	2	0		26		24	7	0	2		1
Palmerston North City Council (PNCC)										40		32		0	32		
Whanganui District Council (WD)					14	0	12	10		14		12	12	0	11		0
Wellington Transport Operations Centre (WTOC)										31		31	4	0	4		
Wellington City Council (WCC)					119	26	60			121		121	4	0	40	0	
Upper Hutt City Council (UHCC)					4	2	3	1		4		4	1	0	1		
Porirua City Council (PCC)										4		4	1	0		1	
Hutt City Council (HCC)					24	10	10	0		24		24	0	0			
Kapiti Coast District Council (KCDC)										5		5	0	0			
South Island Region																	
Nelson City Council / Tasman District (NCC_TDC)					16	1	15	0		23		23		0	4	0	
Christchurch City Council (CCC)					364	64	512			320		320	137	20	70	117	1
Christchurch (NZTA)										62		62	8	3			1
Ashburton District Council					2	0	2	2		7		7	5	4			2
Timaru District Council (TDC)					5	0	2	2		19		17	14	1	1		0
Waiteki District Council (Oamaru)										8		8	1	0			
Dunedin City Council (DCC)					86	7	52			86		86	13	0	18	7	1
Queenstown Lakes and District Council (QLDC)					1	0	1	0		13		13	5	2	1		1
Invercargill City Council (ICC)					20	3	0	3		40		40	12	0			0



1 new site has been added since 2022 numbers.

Asset by region
New Zealand Regions

Auckland Transport Operation Centre (ATOC)

Signals
1009 sites total

All sites are on SCATS
125 sites are VC6
3 sites are extra low voltage (ELV)

30 sites with raised safety
platforms

(2023)



Approximately a 3.8% increase in traffic signals for the Auckland region when comparing against 2022 numbers.

Asset by region
New Zealand Regions

Hamilton City Council

Signals
127 sites total

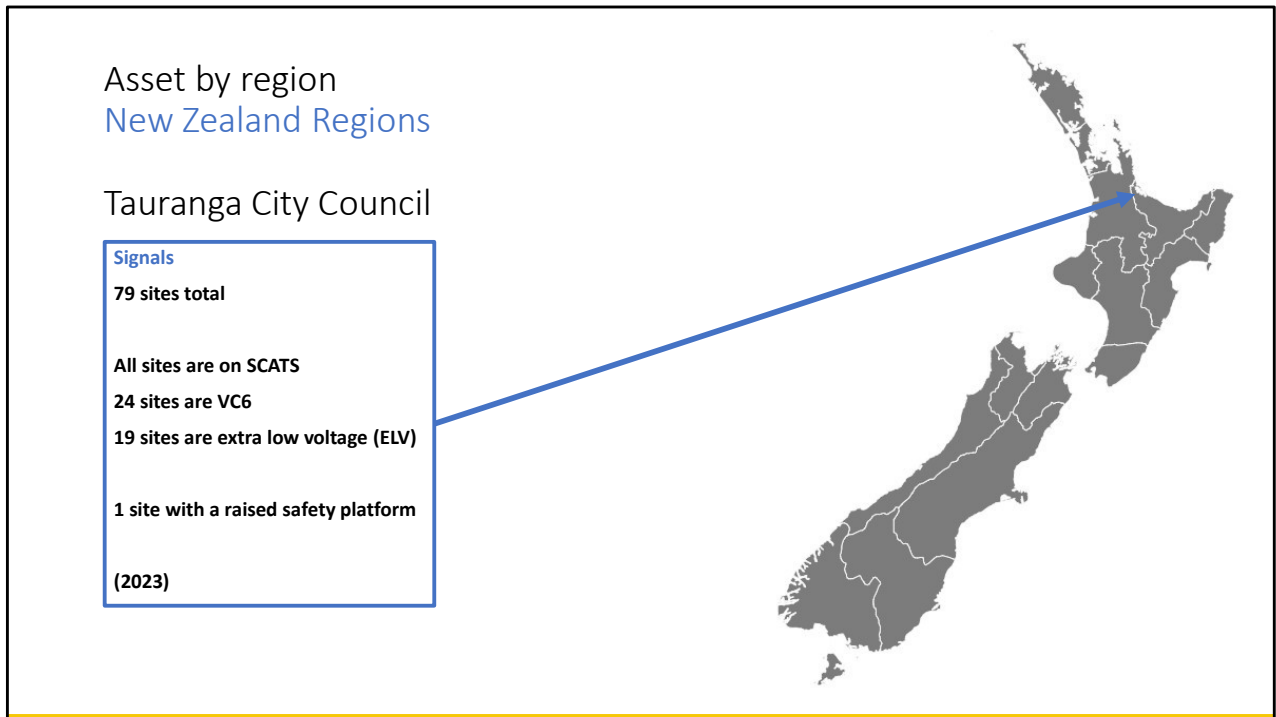
All sites are on SCATS
47 ped crossings
55 sites are VC6
20 sites are extra low voltage (ELV)

20 sites with raised safety platforms

(2023)



Approximately a 3.9% increase in traffic signals for the Hamilton region when comparing against 2022 numbers.



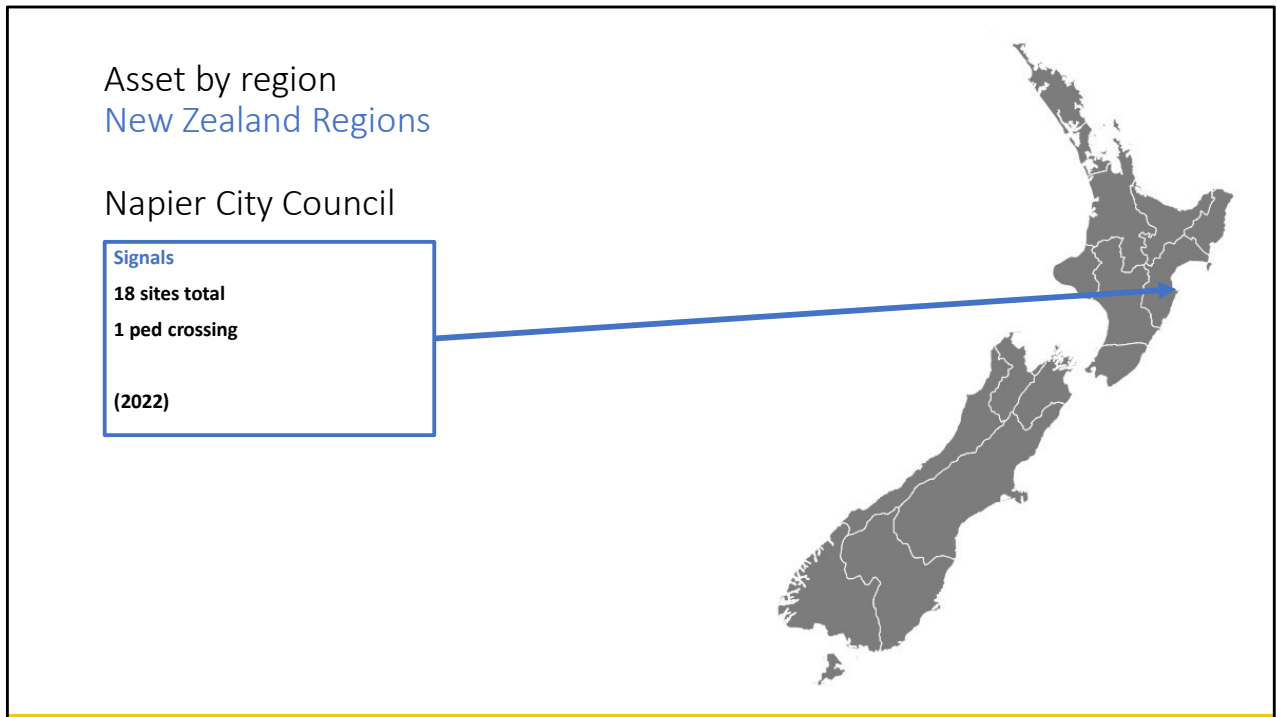
Approximately a 17.7% increase in traffic signals for the Tauranga region when comparing against 2022 numbers.

Asset by region
New Zealand Regions

Taupo City Council

Signals
3 sites total
1 ped crossing
(2022)





Likely to see a lot of recovery work within this region following the recent disaster event cyclone Gabrielle - as a group we should be providing support where we can within this region, along with the rest of the east coast recovery.

Asset by region
New Zealand Regions

New Plymouth City Council

Signals
26 sites total
24 sites are on SCATS
7 sites are VC6
1 site with a raised safety platform
(2023)



Asset by region
New Zealand Regions

Whanganui

Signals
14 sites total
12 sites are on SCATS
12 sites are VC6
(2023)



Asset by region
New Zealand Regions

Palmerston North City Council

Signals
40 sites total
32 sites are on SCATS
12 sites are VC6
(2023)



Asset by region
New Zealand Regions

Kapiti Coast District Council

Signals
5 sites total
5 sites are on SCATS
(2023)



Asset by region
New Zealand Regions

Upper Hutt City Council

Signals
4 sites total
4 sites are on SCATS
1 site is VC6
(2023)



Asset by region
New Zealand Regions

Porirua City Council

Signals
4 sites total
4 sites are on SCATS
1 site is VC6
1 site has a raised safety platform
(2023)



Asset by region
New Zealand Regions

Hutt City Council

Signals
24 sites total
24 sites are on SCATS
(2023)



Asset by region
New Zealand Regions

Wellington Transport Operation Centre (WTOC)

Signals
31 sites total
31 sites are on SCATS
4 sites are VC6
(2023)



Asset by region
New Zealand Regions

Wellington City Council

Signals
121 sites total
121 sites are on SCATS
4 sites are VC6
(2023)



Asset by region
New Zealand Regions

Nelson City and Tasman District

Signals
23 sites total
23 sites are on SCATS
(2023)



Asset by region
New Zealand Regions

Christchurch City Council

Signals
320 sites total
320 sites are on SCATS
137 sites are VC6
20 sites are extra low voltage (ELV)
(2023)



Asset by region
New Zealand Regions

Christchurch (Waka Kotahi NZ Transport Agency)

Signals
62 sites total
62 sites are on SCATS
8 sites are VC6
3 sites are extra low voltage (ELV)
(2023)



Asset by region
New Zealand Regions

Ashburton District Council

Signals
7 sites total
7 sites are on SCATS
5 sites are VC6
4 sites are extra low voltage (ELV)

(2023)



Asset by region
New Zealand Regions

Timaru District Council

Signals
19 sites total

17 sites are on SCATS
14 sites are VC6
1 site is extra low voltage (ELV)

(2023)



Asset by region
New Zealand Regions

Oamaru (Waitaki District Council)

Signals
8 sites total
8 sites are on SCATS
1 site is VC6
(2023)



Asset by region
New Zealand Regions

Queenstown Lakes District Council (QLDC)

Signals
13 sites total
13 sites are on SCATS
5 sites are VC6
2 sites are ELV
(2023)



Asset by region
New Zealand Regions

Dunedin City Council

Signals
86 sites total
86 sites are on SCATS
13 sites are VC6
(2023)



Asset by region
New Zealand Regions

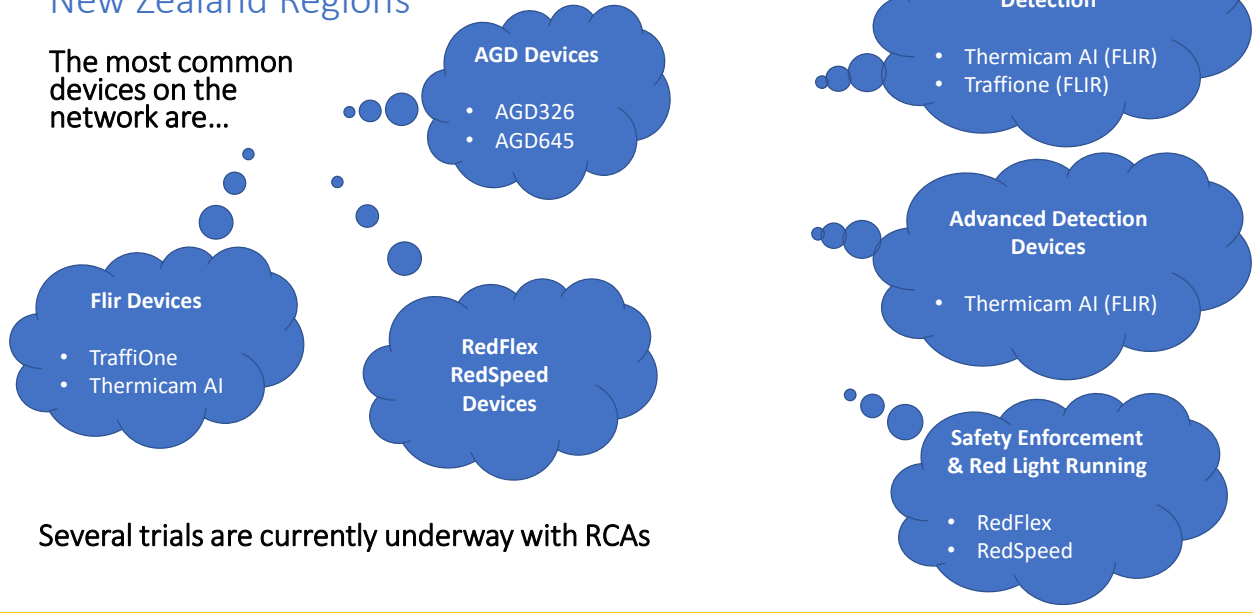
Invercargill City Council

Signals
40 sites total
40 sites are on SCATS
12 sites are VC6
(2023)



RCA Technology & Current Devices New Zealand Regions

The most common devices on the network are...



Several trials are currently underway with RCAs

- Vehicle detection
- Pedestrian detection (mainly for call cancelling)
- Combination of vehicle and pedestrian detection

RCA Concerns

Radar technology that isn't fit for purpose.

Labour force challenges for install and maintenance.

Size and complexity of recent designs (e.g. 51 poles serviced by one controller) and related accident damage - approx 30% of our budget in car vs pole conflicts.

Signalised cycle movements at intersections.

Inconsistent design/operation around the country.

Skilled and trained individuals to operate traffic systems, incl. skilled personality writers become more rare.

Thank you