

Appliance cascade plan

Introduction

Plan subject to change

This cascade plan is subject to change based on fleet operational requirements including:

- Avoiding expensive repairs on older appliances
- accommodating peaks in demand for relief or training appliances,
- changes in the approved fleet allocation.

Timings are also indicative and subject to change.

Generally, appliances cascading to stations a long distance away (e.g. inter-island) or requiring more changes to fit out (e.g. 464 ladder changes) will take longer than those that are going to a station a short distance away with little or no changes to fit out.

For any queries regarding this plan, please contact your Region Fleet Co-ordinator or the National Manager Fleet.

Appliance cascade plan

The appliance cascade plan and schedule resulting from upcoming new appliance deliveries is:

New appliances				Cascading appliances							
Type	Build #	Delivery month	Station	New appliance delivery date + one month		New appliance delivery date + two months		New appliance delivery date + three months		New appliance delivery date + four months	
				Cascading appliance	Destination station	Cascading appliance	Destination station	Cascading appliance	Destination station	Cascading appliance	Destination station
1	194	Jan-24	Mataura 451	2012 Iveco Eurocargo GLB618	Takaka 391	1999 Mitsubishi FK195 XI8436	Scargill 9271	1986 Hino NB374	Dispose		
1	195	Jan-24	Warkworth 931	2012 Iveco Eurocargo GMQ497	Benneydale 481	1993 Mitsubishi FK160 SL8448	Dispose				
1	196	Feb-24	Okaihau 691	2012 Iveco Eurocargo GEH192	Rawene 701	2000 Mitsubishi FK195 ZA5828	Waimana 9871	1987 Hino FD162LA NU3414	Dispose		
1	197	Feb-24	Clevedon 461	2012 Iveco Eurocargo GHL346	Tokomaru Bay 921	1998 Mitsubishi FK195 XB5946	Whakatutu 861	1987 Hino FD162LA OP5269	Dispose		
1	198	Mar-24	Dannevirke 671	2012 Iveco Eurocargo GJT766	Takapau 611	1999 Mitsubishi FK195 XD3574	Ongaonga 641	1988 Hino FD162LA NZ7561	Dispose		
1	199	Apr-24	Waiuku 571	2013 Iveco Eurocargo GZH83	Okato 651	1999 Mitsubishi FK195 XI8435	Manapouri 741	1988 Hino FD162LA NM5135	Dispose		

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1	200	Sep-24	Lincoln 411	1994 Mitsubishi FP270 SR8098	National relief fleet (Type 3)	n/a					
1	201	Oct-24	Matamata 381	2013 Iveco Eurocargo ML120 GRQ183	Te Karaka 851	2000 Mitsubishi FK195 ZB9533	Rangiwahia 421	1989 Hino FD162LA ON2164	Dispose		
1	202	Oct-24	Paihia 751	2013 Iveco Eurocargo ML120 GWW922	Fairlie 821	2000 Mitsubishi FK195 ZF8738	Duntroon 841	89 Hino FD162LA OP1371	Dispose		
1	203	Oct-24	Maungaturoto 801	2013 Iveco Eurocargo ML120 HAT651	Riverton 331	2000 Mitsubishi FK195 ZE7022	Kingston 9371	1989 FD162 NW1113	Dispose		
1	204	Nov-24	Lake Taupo 291	2014 Iveco Eurocargo ML120 HFK928	National relief fleet (Type 2)	n/a					
1	205	Nov-24	Titahi Bay 341	2014 Iveco Eurocargo ML120 HGH774	National relief fleet (Type 2)	n/a					
1	206	Nov-24	Waipukurau 581	2014 Iveco Eurocargo ML120 HFK881	Waitarere 351	2000 Mitsubishi FK195 YY8728	Collingwood 402	1989 Hino FH222 ON2766	Dispose		

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1	207	Dec-24	Oneroa 401	2013 Iveco Eurocargo ML120 HAT636	Wyndham 421	2008 Iveco Eurocargo ML120 ERF424	Otautau 581	1990 Hino FH222 OL5929	Dispose		
1	208	Dec-24	Kumeu 861	2013 Iveco Eurocargo ML120 GPY65	Okere Falls 6971	2002 Mitsubishi FK195f1 THUMPY	Kuaotunu 8472	1989 Hino OI5115	Dispose		
1	209	Jan-25	Mangawhai 801	2014 Iveco Eurocargo HKC953	Te Ihu Training	1999 Mitsubishi FK195 XI8439	Waikari 601	1990 Hino FD1017 PN1268	Dispose		
1	210	Feb-25	Ngatea 521	2014 Iveco Eurocargo ML120 HEQ658	Tahuna 351	2002 Mitsubishi FK195 ANA514	Turua 531	1989 Hino FD162LA OO3207	Dispose		
1	211	Feb-25	Carterton 621	2014 Iveco Eurocargo ML120 HJA688	National relief fleet (Type 2)						
Medium crew cab 4x4	38	May-22	Kaiaua 4271	1993 Mitsubishi FK160 CQT826	Dispose						
Medium crew cab 4x4	39	May-22	Mahia 9771	2018 Isuzu NPS450 LLP119	Remutaka 4971	1994 Mitsubishi Canter AUZ458	Dispose				

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Medium crew cab 4x4	40	Feb-23	Minginui 5971	1983 Isuzu JCS KR6781	Dispose						
Medium crew cab 4x4	41	Feb-23	Whanganui 7171 Whanganui 7172	2001 Mitsubishi Canter XU4834 2003 Isuzu NPS450 BLP665	Dispose Papatowai 9771						
Medium crew cab 4x4	42	Mar-23	Houhora 5471	2015 Isuzu FTS800	Tinopai 8871	2003 Isuzu NPS BGD639	Rangitata Gorge 5571	1982 Isuzu SBR422 KT371	Dispose		
Medium crew cab 4x4	43	Mar-23	Darfield 692	2010 Iveco Eurocargo FFF431 1986 Hino GT NO185	Hanmer Springs 671 Dispose	1996 Mitsubishi FK160 UH5120	Arthur's Pass 9671	1997 Toyota Dyna CLL639	Dispose		
Medium crew cab 4x4	44	Oct-23	Paparoa 8171	2020 Isuzu FSS550 4x4 Crew Cab NCZ87	Shelley Beach 8871	1994 Mitsubishi FK160 SX5862	Dispose				
Medium crew cab 4x4	46	Oct-23	Patea 58xx	2009 Iveco Daily LRV EYZ767	Whakapapa 2920	1998 Mitsubishi Canter WM6773	Auckland Operations Support 2	1997 Mitsubishi Canter WR8188	Dispose		

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Medium crew cab 4x4	47	Oct-23	Southern Lake Taupo 3071	1991 Mercedes CDR289	Kaingaroa 611	1998 Mitsubishi FK195 WY1841	Dispose				
Medium crew cab 4x4	48	Oct-23	Lauriston 8871	2018 Isuzu FSS550 4x4 Crew Cab MGQ375	Athol 9171	2009 Isuzu NPS400 4x4 EWR642	Rai Valley 2371	1996 Isuzu F Series FTS600 HEG257	Tokomaru Bay 9275	1985 Hino FI175 MJ5359	Dispose
Medium crew cab 4x4	49	Oct-23	West Melton 9571	2011 Isuzu GBU828	Kokatahi 911	1991 HINO FH DZA282	Dispose				
Medium crew cab 4x4	50	Oct-23	Swannanoa 1771	2020 Isuzu FSS550 4x4 Crew Cab MTE639	Sefton 3971	1986 Hino GT NO185	Dispose				
Medium crew cab 4x4	51	Oct-23	Oxford 792	2020 Isuzu FPS550 4x4 Crew Cab NBP156	Wakefield 341	1993 Mitsubishi FK160 RU6112	Return to relief fleet				
Medium crew cab 4x4	52	Nov-23	Kakanui 9171	2020 Isuzu FPS550 4x4 Crew Cab NBP160	Millers Flat 4371	2006 Isuzu NPS400 4x4 DJR303	Pines Beach 1971	1986 Hino GT1118 NX893	Dispose		
Medium crew cab 4x4	53	Nov-23	Springfield 7411	2020 Isuzu FSS550 4x4 Crew Cab NCZ88	Dunstan 6771	2010 Isuzu NPS300 4x4 FJP714	Little Wanganui 811	1995 Mitsubishi FK160 TN4182	Dispose		

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Medium crew cab 4x4	54	Nov-23	Hira 5571	2020 Isuzu FSS550 4x4 Crew Cab MTE638	Kohi 7371	2001 Isuzu N Series 100P ADE359	Karekare 7371	1993 Daihatsu Delta RY4113	Dispose		
Medium crew cab 4x4	55	Dec-23	Chartwell 4271	1993 Mitsubishi FK160 SJ4178	Dispose						
Medium crew cab 4x4	56	Dec-23	Heretaunga 5071	2020 Isuzu FSS550 4x4 Crew Cab NBP159	Elsthorpe 7971 Elsthorpe 7925	2012 Isuzu NPS300 GJF645 2018 Toyota Hilux LKP127	Te Pohue 7371	2001 Mazda Bounty QAJW403 and trailer	Dispose		
Medium tanker	46	Oct-23	Leeston 4311	1997 Hino Ranger ENQ658	Culverden 6611	1995 Isuzu DQU496	Omarama 5611	1985 Isuzu FVR123F MD4854	Dispose		
Medium tanker	47	Oct-23	Arrowtown 7811	2007 Volvo FE320 JNL395	Dipton 3911	1984 Isuzu JCS420 MA1977	Dispose				
Medium tanker	48	Oct-23	Waimate 8811	2006 Hino FG DLR785	Portobello 2911	1994 Mitsubishi Fuso BHB627	Dispose				
Medium tanker	49	Nov-23	Nelson 2111	2003 Isuzu BPU752	Naseby 8111	1984 Isuzu LI7450	Dispose				
Medium tanker	50	Nov-23	Balclutha 4611	2008 Volvo FE280 JFH886	Lumsden 5411	1989 Ford N1418 RO982	Dispose				

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Medium tanker	51	Nov-23	Papakura 3811	1997 Hino JHDFS1KL WE3436	Balfour 5511	1987 Mitsubishi SG7641	Dispose				
Medium tanker	52	Nov-23	Te Puke 7911	2017 Hino 500 MKU444	Waipara 6111	1988 Isuzu FTR NZ4021	Dispose				
Medium tanker	53	Nov-24	Southbridge 4511	1998 Hino Ranger EMT607	Hanmer Springs 1311	1988 Ford N1418 UN2827	Dispose				
Medium tanker	54	Dec-24	Waiholā 6811	2010 Volvo FL260 HUQ276	Lawrence 5811	2007 Mercedes Atego KCC723	Dispose				
Medium tanker	55	Jan-25	Paraparaumu 3711	n/a							
Medium tanker	56	Feb-25	Te Akau 8775	1996 Hino EDG422	Te Karaka 8575	1988 Isuzu XA7040	Dispose				
Medium tanker	57	Mar-25	Kerikeri 6711	2018 Hino 500 MML298	Motunau Beach 9711	1989 Ford N1518 OK4018	Dispose				
Medium tanker	58	Mar-25	TBC								
Medium tanker	59	Apr-25	TBC								
Medium tanker	60	May-25	TBC								

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Medium tanker	61	Jun-25	TBC								
Medium tanker	62	Jun-25	TBC								
n/a	n/a	n/a	n/a	n/a	Turangi 2371	2004 Isuzu NPS450 CGH711	Matakana Island 7071	1984 Isuzu JCS LQ1324	Dispose		

Appendix

Policy

The [FL2-2 POP Fleet procurement and allocation policy](#):

- specifies the allocation of Types 1, 2 & 3 appliances to stations and the “Tier” of each appliance
- notes that the introduction of new appliances to the fleet results in older appliances being retired and a movement (“cascade”) of appliances between positions in each Tier
- notes that the National Manager Fleet determines the cascade schedule, and transfers appliances as required to achieve the allocation principles contained in the policy.

Cascade principles

The following principles are generally applied when producing the cascade plan:

Priority	Principle
1	Cascaded appliance to be the allocated Type.
2	Replace Type 1 appliances where the allocation is a Type 2 or 3.
3	Replace appliances that are outside the allocated Type or Tier age limit.
4	Replace problematic trucks (from a fleet maintenance / reliability point of view).
5	Replace the oldest trucks, but where age is similar more priority to be given to replacing the busiest trucks.

That is:

1. We will put the correct Type of appliance in unless there is a shortage of appliances of the required Type – if you’re supposed to have a Type 1, we’ll give you a Type 1.
2. We will prioritise replacing your appliance if you have a Type 1 and you’re supposed to have a Type 2 or 3 because your appliance is probably too small to carry the gear you’re supposed to have.
3. If you already have the correct Type of appliance and your appliance is already the correct age, i.e. no older than it’s supposed to be, then we will upgrade others in the Tier that don’t meet these criteria first.
4. If particular appliances or models of truck, e.g. Mitsubishi FP418s, are starting to become unreliable or require regular work to maintain CoF standard, e.g. due to rust, then we’ll prioritise getting rid of them.
5. We will prioritise replacing the oldest appliances starting with the busiest of those of the same age.

Having established which trucks are to be replaced, we then arrange the cascades within that group to minimise the fit-outs and transport distance required, e.g. minimise 464 ladder gantry swaps, try to cascade appliances fitted out as PRTs to other PRT slots, avoid ferry trips where possible.

Related information

Policy

[FL2-2 POP Fleet procurement and allocation](#)

Document information

Owner	National Manager Fleet
Last reviewed	1 November 2024
Review period	Yearly

Record of amendments

Date	Brief description of amendment
November 2024	Updated cascade plan
24 October 2023	Swapped Kaeo and Patumahoe cascades to avoid requirement for LMR hardware changes.
October 2023	Updated cascade plan to reflect new appliance build programme
March 2022	Updated cascade plan
June 2021	Updated cascade plan for September 2021
September 2019	Updated cascade plan for June 2020.