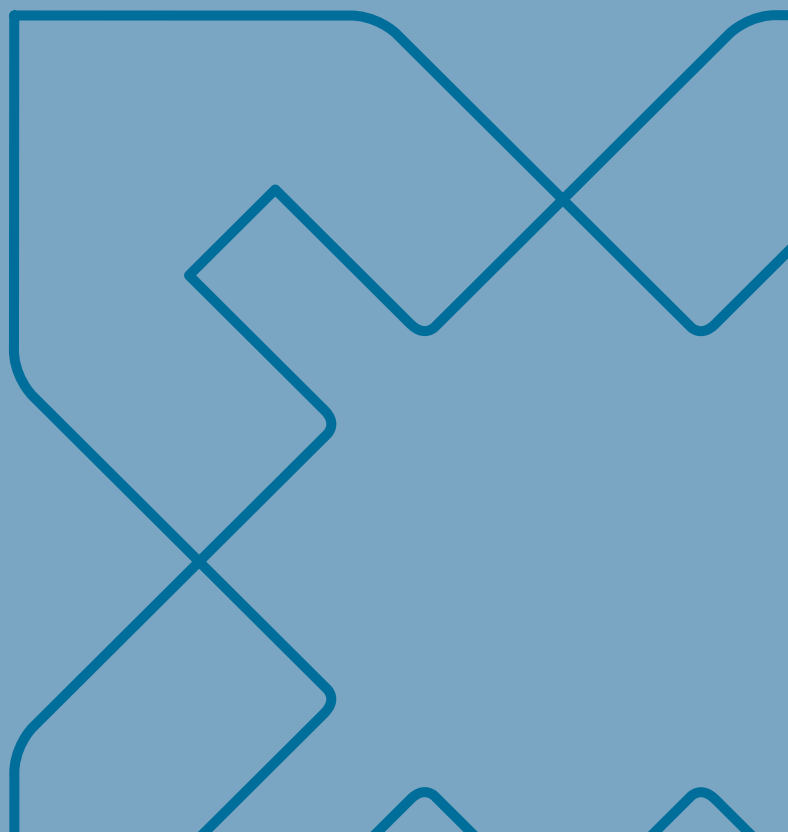


He Putanga Tūnuku Toitū

He whakawhanake i ngā tiriti, i ngā mokowā, i ngā takiwā
noho e tautokona ai te tomo pai, te hauora me te toiora.

POUTŪTERANGI 2022



Whakarāpopototanga kotahi whārangi

E toru ngā Putanga Tūnuku Toitū, e anga ana ia putanga ki tētahi tauine whāiti. E 4-5 ngā Ūnga o ia Putanga. Hei tūāpapa ēnei mō te whakamahere, te hoahoa me te whakatau take.

1. He hāpori pōwhiri i te katoa, wātea hoki ki te katoa		Te whakamahere ā-mokowā - Te wāhi me te takiwā tāone
1	Ngā kāwei tiriti	Me whakaraupapa ngā tūnuku tūmatanui me ngā aratau pukukori
2	Te Hoahoa ā-Ao	Te taea e ngā tāngata katoa te nukunuku motuhake
3	Te Pokatata	He ara tukuwai noa, he mea tūhono hoki mō ngā aratau pukukori
4	Ngā tūnuku tūmatanui	He wātea, ngāwari, haumarū, hohoro
5	He hononga whānui kē atu	Ki ngā whatunga hīkoi, paihikara, tūnuku tūmatanui hoki o te takiwā



He hāpori haumarū, hauora hoki		Te hoahoa tāone - ngā pae me ngā mea i te taha
1	He takiwā rēhia wātea	Ka taea noatia te haere atu mā raro, mā runga pāihikara rānei
2	He arotahi ki te hauora	He hoahoa anga ki te ao tangata, e tino piki ai te toiora tangata
3	Vision Zero	Mā ngā mātāpono hoahoa ka āraia ngā wharanga, ngā matenga hoki
4	Te haumarū pāpori	He haumarū ngā tiriti me ngā mokowā, e ai ki ōna kaiwhakamahi



3: He hāpori, he takiwā noho toitū, pakari tonu		Te whakahaere tiriti - Ngā kāinga me te noho pai
1	Te Āta Whakahaere Hiahia Haere – Travel Demand Management (TDM)	Te tautoko i ngā panonitanga kiko mā ngā whakaritenga ngāwari
2	Te whakahaere tūranga waka	Ngā mana me ngā whakahau hei pupuru i te kounga tiriti kia tiketike tonu
3	Te maru me ngā tūnuku	Ngā mahi me ngā whanaketanga e arotahi ana ki ngā tūranga tūnuku tūmatanui
4	Te taiao o te aotūroa	Ka haumitia ngā rākau me ngā tupu ki roto i ngā tiriti me ngā mokowā tūmatanui



Ngā kai o roto

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Yuba Bicycles

Kupu Whakataki



Hei tārei ngā pūnaha waka haere i te toiora me te wātea o te tangata. I roto i ēnei tau 70 ka hipa ake nei, kua whakahāngaitia ngā pūnaha tūnuku ā-tāone o Aotearoa ki ngā motokā tūmataiti, mō te nuinga. Nā tēnei āhua kua māhorahora rawa ngā takiwā tāone, kua piki hoki te taumata o ngā tukuwaro haurehu kati mahana, arā, 37% ōrau o ngā tapuwae tukuwaro o tētahi kāinga ōrite ki te nuinga, he tukunga nā ōna waka haere¹.

Nā konei hoki kua piki te rawakore ā-waka, kua iti iho te āheinga o te tangata ki te mahi, kua kore e kori tinana, kua hē ngā putanga haumarutanga huarahi².

Ka taea e Kāinga Ora te takahi huarahi hou. He tomokanga e kore e kitea anō i roto i tēnei whakatupuranga kei mua i a tātou, kia whakapikia ngā oranga o te tini o te hunga o Aotearoa, mā te whakawhanake, mā te whakawhanake hou hoki i ō tātou whare, i te takoto o ō tātou tiriti me te taiao tūmatanui. He mana hoki tō mātou ki te hoko whenua, ki te kōkiri whanaketanga tāonga hoki³.

Ko tā te Ture Whanaketanga Tāone 2020 he whakaae kia horaina e Kāinga Ora te huhua o ngā putanga mō ngā tāngata o Aotearoa, kia āwhinatia hoki te urupare ki te panonitanga huarere o tō tātou whenua. Hei wāhi o tēnei ko ngā whare kounga

tiketike mō ā mātou kiritaki, te wātea o ngā tūranga mahi, ngā whare kaupapa huhua me ngā ratonga, te whakaheke i ngā tukuwaro haurehu kati mahana, ka puta i te taha o ā mātou whanaketanga me te whakatikatika i ō tātou hapori kia pakari i mua i ngā pānga o te panonitanga huarere.

Ko tā te kaupapa here a te Kāwanatanga⁴ he whakahau i a Kāinga Ora kia whakaheke ngā kōtaha tukuwaro oranga katoa o ngā whanaketanga mā te:

- whakamahere me te hora hangaroto tukuwaro pāpaku

1. *Turning the Tide – from Cars to Active Transport* (Mandic et al, 2019)
 2. *Te Ara Matatika – The Fair Path* (Helen Clark Foundation, Nov 2021)
 3. *Kāinga Ora–Homes and Communities Act 2019*

4. *Government Policy Statement on Housing and Urban Development | Te Tūāpapa Kura Kāinga - Ministry of Housing and Urban Development (2021)*



- aro nui ki te hononga i waenga i ngā tukuwaro whakamahere ā-mokowā me ngā tukuwaro nā ngā āhuatanga hāereere
- te whakahohe i te wātea me te neke tinana mā ngā whiringa tūnuku tukuwaro pāpaku.

He mea taketake te wātea mai o nga tūnuku mō tētahi taiao ā-tāone tōtika ōna wāhanga. He tūranga waimarie tō Kāinga Ora hei kaihanganga takiwā tāone tukuwaro pāpaku, e tautokona ai ngā whanonga tūnuku pakari, toitū mō ngā whakatupuranga hou, i te taha o ōna hoa kōtui i te rāngai tūnuku.

E kore te whakawhiti ki ngā aratau tukuwaro pāpaku e ngāwari i ngā wā katoa, otirā mō te hunga rēti i ō mātou whare he uaua, ko rātou hoki te hunga whakaraerae o tō tātou pāpori. Ka tautoko mātou i ngā tāngata me ngā whānau mā ngā hōtaka tauawhi, te whakawhanake hapori, te waihanganga wāhi me ērā atu o ā mātou mahi.

E mōhio ana mātou he ahurei ia wāhi, ia wāhi, ia hapori, ia hapori, ā, he whāinga wāhi, he wero motuhake anō ō tēnā, ō tēnā. Kei te āhua tonu o te

wāhi o nāiane, o ngā tāngata o konei, o ō rātou moemoeā, te āhua o tā mātou whakatinana i tēnei rautaki.

Hei tautoko tēnei puka i a Kāinga Ora me ōna hoa kia horaina he huaputa tūnuku toitū e tautoko ana i ō mātou uarā whakahaere:



Manaakitanga
People at the Heart



Mahi Tahī
Better Together



Whanake
Be Bold

Te Kaupapa

Me mātua whakatutuki ngā hiahia tūnuku o ā mātou kiritaki me ō mātou hapori, hei hora i ngā putanga rautaki o Kāinga Ora. Ko te whāinga o tēnei puka kia tāpaetia ngā mātāpono tūnuku toitū i waenga pū o ā mātou mahi me te whakarite tikanga e tino taea ai ngā aratau tūnuku pukukori, tūmatanui hoki e ngā tāngata katoa.

E anga ana a Kāinga Ora ki te whakatika i ngā uauatanga katoa ka ara ake i te whirinaki motokā, te rawakore tūnuku me te taimaha tūnuku. Mā te haumi tika i ngā whakamahere whakamahi whenua, hoahoa tāone me te tūnuku toitū ka tāpae āwhina mātou ki te hauora me te toiora o ngā hapori tū pakari.

Ahako ko te whāinga kia whakahohengia he aratau nui tonu, e whakaū ana mātou mō ētahi āhuatanga, ko te arataki waka whaiaro te ara pai, te ara kotahi anake rānei, e wātea ana ki te tangata. Ko ētahi o aua āhuatanga ko ngā hāora me ngā wāhi mahi, te korenga e kaha te tinana, me ngā āhuatanga ā-pāpori. Ka whāia e mātou te ara anga-ki-te-takiwā kia piki ai te kaingākau o te tangata ki ngā whiringa

tūnuku ehara i te motokā, kia hao hoki i te katoa, kia tino taea hoki e te tangata. E herea ana ngā whāinga wāhi me ngā pikauranga ki ngā āhuatanga ake o tētahi takiwā me ngā hiahia o te hunga noho i reira.

E hoahoatia ana tēnei tuhinga hei kahupapa mō ngā momo kōkiri katoa, mai i te huanga ki te otinga. E noho ana anō hoki hoki tēnei hei ara tōkeke mō ā mātou hōtaka whanaketanga e whāngaia ana ki te pūtea, mai i te iti ki te rahi. Ka noho hei tūāpapa mō ā mātou mahi ki ngā mana hāngai mā roto i ngā kirimana tōpū.

Mā konei hoki ka tuia ngā wae anga ki ngā tūnuku o te Rautaki Taiao o Kāinga Ora e hangaia ana i tēnei wā. Mā te mahi tahi me ā mātou hoa kaiwhakarato, ka timataria, ka whakamaheretia whānuitia, ka hoahoatia, ka horaina hoki ngā whakawhanaketanga o ngā rahi katoa, hei tautoko i ngā whāinga matua o te Rautaki Taiao.



Te Hora i te Rautaki Taiao

Nā te Rautaki Taiao o Kāinga Ora i ahuhau te arotahi a Kāinga Ora ki te toiora taiao. He kaupapa tēnei e tāreia ana i tēnei wā, ā, kei konā ka kitea ētahi koringa matua mō te whakahaere. Tētahi o ngā kōkiri he whakaheke i te maha o ngā kiromita e haerea ana (vehicle kilometres travelled VKT), ina whakaritea ki ngā tātai tōpū mārika, ki ētahi atu tauari pakihī o ia rā, o ia tau. Ko te whakaheke i ngā kiromita i haerea tētahi pou taketake o te huringa ki ngā aratau tūnuku tukuwaro pāpaku.

Ka āhei a Kāinga Ora ki te whakaheke i aua kiromita VKT mā te:

- Kōwhiri kia hangaia, kia whakawhanaketia, kia whakapipiritia ngā hanganga kia tata ake ki ngā ūnga haere me ngā pūtahi tūnuku matua.
- Whakawhanake takotoranga tāone e whakaraupapatia ai ki mua ko te hīkoi, ko te haere ā-reti, te haere mā runga paihikara, me ngā tūnuku tūmatanui.
- Hanga i ētahi takotoranga tiriti, mokowā tūmatanui hoki e uru ai te katoa, e wātea ana ki te tini, e pai ana ki te titiro atu, e haumarua ana, ka taea te pānui ngā tohu.
- Whakamahi i tētahi anganga Vision Zero, hoahoa ā-āo, pūnaha haumarua

- Whakahohe i ngā whanaketanga whare he maru tokomaha kei roto, whakamahinga huhua
- Whakauru mai i te aotūroa, otirā i te rākau, ki ngā hoahoatanga tiriti paerewa
- Whakatairanga, tautoko hoki i te whakamahinga o ā mātou kiritaki i ngā aratau tūnuku tūmatanui, pukukori hoki
- Noho mārama ki ngā tawhā mō te hunga e hiahia ana ki te whakawhiti aratau, me te mahi kia turakina
- Te āta whakaraupapa i ngā whakahaere tiriti, tūranga waka, mokowā tūmatanui hoki
- Te piri tahi a Kāinga Ora ki nga mana kaunihera ā-rohe, kāwanatanga ā-motu hoki, ki te mana whenua, ki ngā whakahaere whakatairanga me ngā hoa kōtui.

E toru ngā putanga e whakamāramatia ake ana i te whārangi o muri mai, tae atu ki:

- ngā whāinga ka noho hei putanga mō ia āhua
- ngā painga me ngā hua i takea mai i te whakatutuki, me te korenga e whakatutuki, ia whāinga
- ngā ūnga hei ine i te ahunga whakamua ki ia whāinga.



Ngā Putanga Rautaki

Hei tārei ēnei putanga rautaki i te ara a Kāinga Ora mō te hoahoa ā-tāone, te whakamahere me te tūnuku. E anga ana ia putanga ki tētahi tauine whāiti.

1. 🏠

He hapori pōwhiri i te katoa, wātea hoki ki te katoa.

Hei tārei te noho wātea ki ngā tāngata katoa i ā mātou whanaketanga. Ka whakaraupapatia te whakaheke i te hiahia kia haere mā runga waka tūmataiti, me te whakatairanga i ngā hononga ā-takiwā, ki mua rawa. Ka taea e te tangata te urutomo ki te matahuhua o ngā whāinga wāhi, tae atu ki ngā momo mahi, ki te mātauranga, ki ngā taurimatanga hauora, ki te rēhia, ki ngā pūtahi tōnui me ngā whare kaupapa huhua paetata.

E arotahi ana tēnei putanga ki te whakamahere ā-mokowā.



2. 🚲

He hapori haumarū, hauora hoki

E whakatairanga ana ā mātou whanaketanga i te haumarū me te hauora o te hunga noho me ngā manuhiri katoa, mā tētahi ara aratau-maha ki te tūnuku. Ka whakahohe mātou i te haere pukukori mā ngā hanganga hikoī, paihikara i āta hoahoatia, e tautokona ana ki ngā hangaroto tūnuku tūmatanui kounga tiketike, tae atu ki ōna ratonga. Ka whakamahi mātou i tētahi ara reanga katoa, āheinga katoa, arā, he hoahoa mō te kaiwhakamahi whakaraerae rawa.

E arotahi ana tēnei putanga ki te ao tūmatanui me te hoahoa tūnuku.



3. 🏠

He hapori, he takiwā noho toitū, pakari tonu

Hei whakaheke ō mātou takiwā noho i te wharanga o te taiao, me te hanga hapori, ōhanga paetata kaha, pakari hoki.

E arotahi ana tēnei putanga ki te hanganga me te whakahaerenga whare, hangaroto, pūnaha tūnuku, me ngā mokowā tūmatanui.



Me pēhea te whakamahi i ngā putanga rautaki


E noho ana tētahi huinga whāinga me ōna ūnga mārama, ka taea hoki te ine, i te taha o ia putanga rautaki o ngā mea e toru. Whakamahia ai ēnei i ngā taumata katoa o te takataka, o te whakamahere, o te hoahoa, o te whakawhanaketanga me te horanga, o te whakarite tikanga kua tū ko ngā putanga tūnuku toitū mai i te matakite ki te whakatinanatanga.

He mea nui kia maumahara e kore ngā whāinga me ngā ūnga e pā ki ngā kaupapa katoa. Tēnā tirohia te āhuatanga rautaki o tētahi kaupapa hei tautohu i ngā ūnga hāngai hei whakamahi.

Te Putanga tūnuku Toitū

Ētahi putanga rautaki e toru ka huia hei matakite mō Kāinga Ora mō te tūnuku toitū

 Te Whāinga

 Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga

 Ngā Ūnga

Tā tēnei tiwae he whakamārama i ngā kōkiri hei tautoko i te putanga

Tā tēnei tiwae he whakamārama he aha i whakaurungia ai tētahi ūnga, ōna painga, me ngā raruraru tērā pea ka puta ki te kore e whakatinanatia.

Tā tēnei tiwae he whakaatu me pēhea te ine i te ahunga whakamua ki ia ūnga.

Ka taea ngā putanga rautaki te hoatu ki ngā taumata me ngā tauine rerekē. Ka uru pea ēnei mea ki ngā tono, engari kāore e herea ōna kōrero ki ēnei e whai ake nei:

- Te wānanga, te tuhi mahere me te hoko taonga
- Te whakawhanake mahere mokowā
- Te whakamahere whānui, ngā anga horanuku me ngā mahere whakahaere
- Te whakawhanaketanga āhutanga pakihi me ngā whakaaetanga
- Te tātari hua
- Te aromatawai marohi kaiwhakawhanake
- Te whakamahere me te matapae tūnuku
- Te whakamahere whatunga tūnuku tūmatanui
- Ngā Whakaaetanga Mahere Mataaro (Engineering Plan Approvals EPA) - ngā wae katoa
- Ngā Aromatawai Tūnuku Torowhānui (Integrated Transport Assessments (ITA) - ngā wae katoa
- Te mahi tahi me ngā mana whakahaere huarahi
- Te tuituinga, te whakawhiti kōrero me te whakawhiti whakaaro tūmatanui
- Te whai kia hāngai katoa ngā wāhanga katoa o ngā kaupapa here me ngā kupu ārahi ā-motu.
- Te noho mai o ētahi kaupapa, hōtaka whakamātautau hei ārahi i ngā mahi pakihi o ia rā, o ia tau.

Hei te wāhanga e whai ake nei ngā putanga, ōna hua, me pēhea hoki e horaina ai, me pēhea hoki e inea ai. Ka kitea ētahi atu taipitopito, puna, tohutoro hoki i te Tāpiritanga.

1. He hapori pōwhiri i te katoa, wātea hoki ki te katoa

Hei tārei te noho wātea ki ngā tāngata katoa i ā mātou whanaketanga. Ka taea e tātou te whakaraupapa i te hononga paetata ki mua, e whakahekea atu te hiahia ki te haere mā runga waka tūmataiti.

Ka taea e te tangata te urutomo ki te matahuhua o ngā whāinga wāhi, tae atu ki ngā momo mahi, ki te mātauranga, ki ngā taurimatanga hauora, ki te rēhia, ki ngā pūtahi hauora me ngā whare kaupapa huhua paetata, e puta ai he wairuatanga piri ki te hapori.

Ngā Whāinga	Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga	Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)
<p>1: Ngā kāwei tiriti (ara)</p> <p>Kia hangaia he kāwei tiriti (ara) e whakaraupapa ngā tūnuku tūmatanui me ngā aratau pukukori ki runga ake i ngā mokokā tūmatanui, mā tētahi kāwei tiriti mārama, āhei hoki ki te pānui, he mea whakatakoto huri noa i ngā tiriti paetata.</p> <p>Tirohia hoki: <i>Aotearoa Urban Street Guide - te wāhanga Planning and Process</i></p>	<p>Ngā Painga: Mā tētahi kāwei tiriti, he mea whakatakoto huri noa i ngā tiriti paetata, e heke ai ngā rerenga waka, ngā nekehanga waka whānui, me ngā horonga. Mā konei e hua ai he takiwā noho hao i te katoa, āhuareka hoki.</p> <p>Ngā hua: Mehemea kāhore he kāwei tiriti, he mea āta tautuhi, ka haere tonu te āhua o ngā tiriti o nāianei, ka pērā ki te titiro atu, ki te noho i roto, ki te whakahaere, kāore he aratau mātāmua o roto. Kāore e kore ka noho ko ngā mokokā tūmataiti hei mātāmua.</p>	<p>Ūnga 1: Neke atu i te 80% o te hunga noho e kī ana ka taea e rātou te āta whakamahi i ngā mokowā i waho i ō rātou whare, mō ngā mahi i tua atu i ngā waka.</p> <p>Ūnga 2: Neke atu i te 60% o te hunga noho, he whakamahi aratau pukukori, i ngā tūnuku tūmatanui rānei kia tae pūputu ki ngā āhuatanga huhua o te takiwā.</p> <p>Ūnga 3: Neke atu i te 80% o te hunga i noho i te takiwā i mua i te whanaketanga e whakapono ana, nā ngā huringa i heke te maha o ngā nekehanga waka, ahakoa te pikinga o te taupori.</p>



1. He hapori pōwhiri i te katoa, wātea hoki ki te katoa

Ngā Whāinga	Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga	Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)
<p>2: Te Hoahoa ā-Ao</p> <p>Kia waihangatia he tiriti, he mokowā hoki e haoa ai ngā tāngata hiahia rerekē, āheinga rerekē, mā te Hoahoa ā-Ao.</p>	<p>Ngā Painga: Tā te Hoahoa ā-Ao he whakawātea i te ara ki ngā tāngata katoa, ahakoa pēhea te pakeke, ngā āheinga rānei, kia nukunuku noa i te takiwā noho, kia uru hoki ki ngā wāhi āwhina me ngā whare me ngā āhuatanga huhua o reira.</p> <p>Ngā hua: Ka uaua kā atu te nuku haere o te hunga he whāiti te neke tinana i roto i te takiwā noho, te urutomo hoki ki ngā whare kaupapa huhua me ngā tūnuku tūmatanui.</p>	<p>Ūnga 1: E kore e iti iho i te 80% o te hunga noho i raro i te 65 tau, he hauātanga hoki/rānei i ō tātou takiwā noho e kī ana ka taea te nuku haere i roto i te takiwā noho mā ngā aratau pukukori, kia ngāwari te tomo atu, te urutomo hoki ki ngā tūnuku tūmatanui.</p> <p>Ūnga 2: Ka āta tohaina māiretia ngā tūranga waka neke tinana manuhiri puta noa i te whanaketanga, kia kaua te kaiwhakamahi e herea kia neke neke atu i te 400m i te tūranga waka ki tō rātou tauranga, me te noho mai o ētahi wāhi okioki tōtika i waenga.</p> <p>Ūnga 3: Iti iho i te 5% o te hunga noho i reira e whakaatu mai ana 'kāhore au i haere' mō tētahi haere i te wiki o mua tata ake, nā ngā maioro tūnuku te take. Hei āwhina tēnei i te kōtuitanga ki ngā mana e hāngai ana hei whakapiki i te urunga ki ngā tūnuku.</p>



1. He hapori pōwhiri i te katoa, wātea hoki ki te katoa

Ngā Whāinga

3: Te hāngai, ina whakaritea

Kia horaina te tomokanga ngāwari ki ngā whare āwhina paetata mō te hunga hīkoi me te eke paihikara, whakamahia hoki i ētahi atu aratau pukukori, mā ngā ara tukuwai noa, hononga-maha hoki.

Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga

Ngā Painga: Mā te whakapiki i te hononga hāngai ki ngā whare kaupapa huhua mō ngā aratau pukukori, tūnuku tūmatanui hoki ka horo kē atu, ka māmā kē atu hoki ēnei aratau, e heke ai te tukuwaro waka, te apiapi o ngā rori i roto i te takiwā paetata, me ōna rohe.

Ngā hua: Me kāhore ngā ara hīkoi, paihikara hoki i te hāngai, i te ngāwari rānei, ka kaha kē atu te tūpono ka taraiwa motokā te hunga noho, kāore e haere ki ngā whare kaupapa huhua.

Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)

Ūnga 1: E whakapono **ana tētahi 80% o te hunga noho** ko te hīkoi, te eke paihikara me ērā atu aratau pukukori ngā whiringa ngāwari rawa mō ngā haere ehara i te haere mahi ki ngā toa o te takiwā, ki ngā rāhui me ngā kura.

Ūnga 2: **80% o te hunga noho** ka hīkoi ki ngā toa paetata, kia kotahi haerenga neke atu rānei i te wiki.

Ūnga 3: **Neke atu i te 80% o ngā tamariki kura tuatahi, kura waenga rānei** o te takiwā he haere ki te kura mā ngā aratau pukukori i te nuinga o te wā.



1. He hapori pōwhiri i te katoa, wātea hoki ki te katoa

Ngā Whāinga

4: Te wātea o ngā tūnuku tūmatanui

Kia tūhonotia ngā hapori ki ngā tūnuku tūmatanui kia āhei ai te tangata te urutomo ki ēnei ratonga i runga i te ngāwari, i te haumarū, i te hohoro anō hoki.

Tirohia hoki: NZTA *Public Transport Guidelines*

Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga

Ngā Painga: Mā te whakapiki i te wātea o ngā tūranga pahi, ngā teihana rerewe, me ngā pūtahi hononga waka ka āhei te hunga noho kia whakamahi i te tūnuku tūmatanui me te whakaheke i te whirinakitanga ki tēnei mea te motokā.

Ngā hua: Ki te uaua ki te kite, te urutomo hoki ki ngā tūnuku tūmatanui ka whakawhirinaki tonu te hunga noho ki te motokā tūmataiti.

Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)

Ūnga 1: **80% o te hunga noho i roto i tētahi porowhita hīkoi 500m te roa** (āhua 6–8 meneti) mai i tētahi tūranga tūnuku tūmatanui, me ōna waka haere pūputu ia rā.

Ūnga 2: **80% o te hunga noho e kī ana**, he hāngai, he ngāwari noa tō rātou ara ki te tūranga tūnuku tūmatanui.

Ūnga 3: **90% o te hunga noho e whakapono ana** he mārakerake te titiro, he mārāma, he pai hoki te tiaki, o ngā pānui (waitohu) ara ina haere atu, ina hoki mai i ngā tūranga tūnuku tūmatanui, i te teihana rerewē rānei.



1. He hapori pōwhiri i te katoa, wātea hoki ki te katoa

Ngā Whāinga

5: He hononga whānui kē atu

Kia horaina he tomokanga ki ngā whāinga wāhi i waho i te takiwā noho mā te tūhono ki te tūnuku tūmatanui, me ngā whatunga hiko, eke paihikara whānui kē atu.

Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga

Ngā Painga: Mehemea he pai te tūhono o ngā whakapainga tūnuku tūmatanui, paihikara, hiko hoki i tētahi pai ki te whatunga whānui kē atu o ēnei aratau, ka taea ēnei te whakamahi mō ngā haere roa kē atu.

Ngā hua: Mehemea he ngoikore, kāhore kau rānei he hononga ki te anga tūnuku tūmatanui, me ngā whatunga hiko, paihikara hoki, e kore aua aratau e kōwhiria mō ngā haere roa kē atu. Mā tēnei āhua ka whakawhirinaki tonu te hunga nei ki ō rātou motokā tūmataiti, e piki ai te tini o ngā waka, e iti iho ai te wātea me te tapoko o te tangata ki te takiwā.

Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)

Ūnga 1: **Neke atu i te 80% o te hunga noho e mārāma ana** ki te anga tūnuku tūmatanui, ki ngā whiringa hiko, haere hoki mā runga paihikara ka taea e rātou te whakamahi kia tūhono ki te whatunga tūnuku tūmatanui.

Ūnga 2: **Neke atu i te 50% o te hunga noho ka kōwhiri kia whakamahia e** rātou ēnei hononga tūnuku tūmatanui, ina haere pūputu ki waho o tō rātou takiwā noho (kotahi haerenga i te wiki, neke atu).

Ūnga 3: **Neke atu i te 20% o te hunga noho** ka whakamahi i te whatunga hiko, eke paihikara whānui kē atu ina haere pūputu ki waho i te takiwā noho (e toru ngā haerenga, neke atu rānei i te wiki).



2. He hapori haumarū, hauora hoki

Mā te hoahoa o te ao tūmatanui ka whakapūmautia te haumarū me te hauora o te hunga noho me ngā manuhiri mā ngā ara hiko, hanganga paihikara me ngā hangaroto tūnuku tūmatanui, ratonga hoki, ēnei katoa he mea hoahoa ā-ao.

Ngā Whāinga

1: He takiwā rēhia wātea

He waihanga hapori hauora, pukukori hoki mā te whakahohe i te urutomo haumarū, ngāwari hoki ki ngā mokowā rēhia wātea.

Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga

Ngā Painga: Mā te whakaū tikanga e tino wātea ai ngā wāhi rēhia tuwhera e whakapiki te maha o te hunga whakamahi pūputu i aua wāhi, he mea hoki e piki ai tō rātou hauora tinana, hauora hinengaro hoki, waihoki ko te roa o tō rātou kori i waho i te whare.

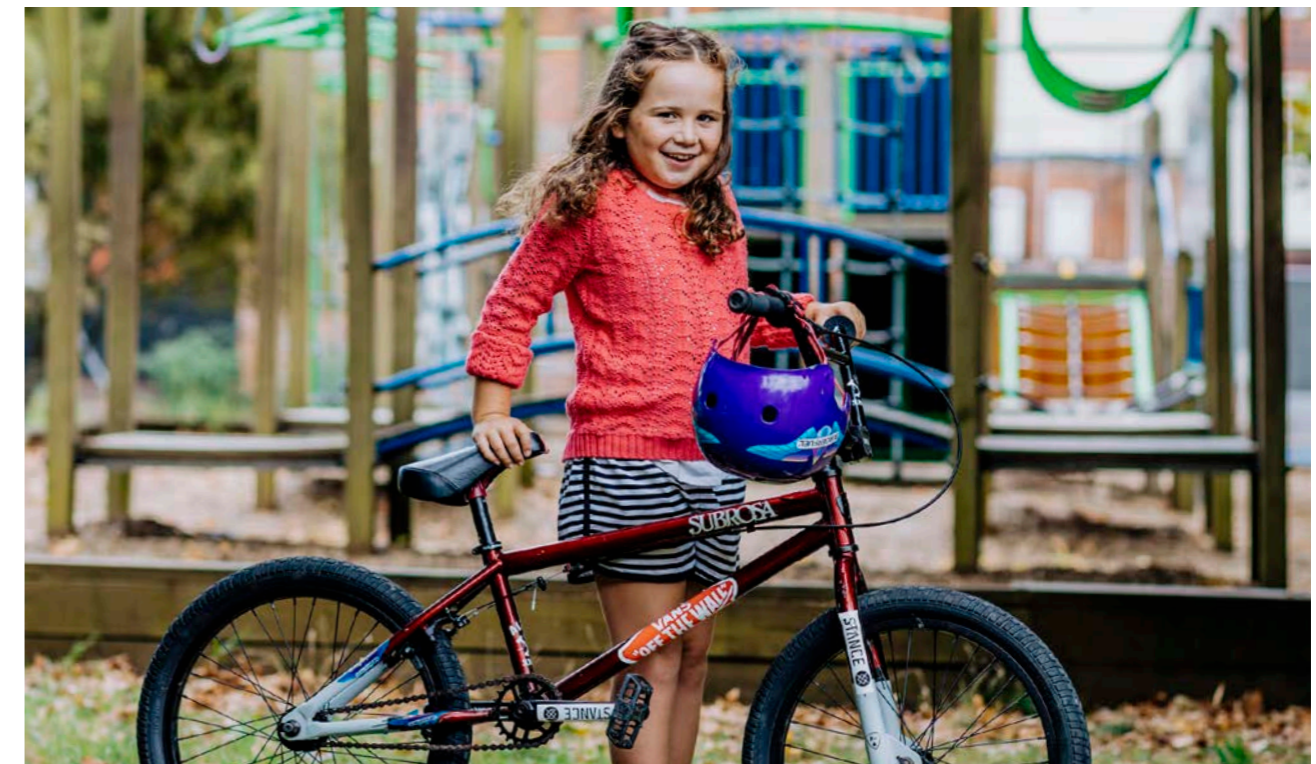
Ngā hua: Mehemea he uua ngā mokowā rēhia ki te tomo atu, ka iti iho ōna kaiwhakamahi. Mā konei ka whakawhāititia ngā whāinga wāhi ki te hunga noho kia whakapikia tō rātou hauora tinana, hauora hinengaro hoki.

Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)

Ūnga 1: **Neke atu i te 80% o te hunga noho** i reira ka āhei ki te tomo ki ngā wāhi rēhia wātea.

Ūnga 2: **Neke atu i te 80% o te hunga ka tomo** ki ngā wāhi rēhia wātea ka pērā, mā ngā aratau pukukori anō.

Ūnga 3: **Neke atu i te 80% o te hunga e kī ana**, he haumarū ngā tūranga paihikara, haere ā-reti hoki e horaina ana i roto i te mokowā rēhia wātea



2. He hapori haumarū, hauora hoki

Ngā Whāinga	Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga	Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)
<p>2: He arotahi ki te hauora</p> <p>He hanga tiriti (ara) ko te hauora o ngā tāngata kei te pūtahi o te hoahoatanga.</p> <p>Tirohia hoki: <i>Aotearoa Urban Street Guide</i> – sngā wāhanga 3 me te 4</p>	<p>Ngā Painga: He wāhi tino āhuareka ngā tiriti hauora; ka pōwhiritia te iwi kia hīkoi, kia eke paihikara, kia noho mō tētahi wā i roto i ngā wāhi tuwhera tūmatanui. He tiriti pai te hau, pāpaku te turituri kino, he maha hoki ōna tāwharau, ēnei katoa he whakaraupapa i te tangata hei mea tuatahi.</p> <p>Ngā hua: E haere tahi ana ngā pokenga hau, turituri hoki me ngā putanga hauora hē, otirā, ko ngā māuiui o te manawa, o ngā pūkahukahu ētahi.</p>	<p>Ūnga 1: Neke atu i 90% o te hunga noho e kī ana, he rawaka ngā whakamarumarū i te rā, ngā whakamarū i te ua me ngā okiokitanga kia pai ai tā rātou hīkoi ki tō rātou tauranga.</p> <p>Ūnga 2: Ka tutuki i ngā pokenga hau tārewa toharite i ngā tiriti, ina inea ia tau, ngā paerewa o te World Health Organization (WHO).</p> <p>Ūnga 3: Ka tutuki i ngā whakaputanga turituri toharite a ngā waka i roto i te whanaketanga ngā paerewa o te World Health Organization (WHO).</p>
<p>3: Vision Zero</p> <p>Kia whakamanaia ngā mātāpono hoahoa o Vision Zero hei ārai i te tino wharanga me te mate rawa.</p>	<p>Ngā Painga: Mā te whai i ngā āhuatanga Vision Zero ka āta hoahoatia ngā tiriti me ngā ripekatanga mō ngā terenga pōturi, e heke ai ngā taupatupatu i waenga i ngā aratau. Mā tēnei ka heke iho te tūraru o ngā tuinga waka, o ngā matenga tangata me ngā wharanga taimaha.</p> <p>Ngā hua: Mehemea kāore e whāia ngā āhuatanga Vision Zero ka tere kē atu te horo o ngā motokā, ka taupatupatu ngā aratau, e piki ai ngā matenga tangata me ngā wharanga taimaha.</p>	<p>Ūnga 1: Kāhore rawa he wharanga, he matenga rānei i roto i te wāhi.</p> <p>Ūnga 2: 95% o ngā tiriti paetata o te takiwā noho he 30km/h te terenga e whakaaetia ana.</p> <p>Ūnga 3: Kua heke iho ngā haerenga motokā tūmataiti mō ia kāinga noho i te kāinga noho toharite o te tāone, ā, ka heke haere, ka noho pāpaku i roto i te wā.</p>

2. He hapori haumarū, hauora hoki

Ngā Whāinga	Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga	Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)
<p>4: Te haumarū pāpori</p> <p>He pai ngā whakaaro o te tangata, he māia hoki i a ia e hāereere ana i roto i te takiwā noho.</p>	<p>Ngā Painga: Mā te hoahoa mō te haumarū pāpori mā ngā mātāpono hoahoa ārai hara (CPTED) ka hangaia he tiriti, he mokowā tūmatanui haumarū, e taea ai e te hunga noho te hīkoi, te eke paihikara, me te tūtakitaki.</p> <p>Ngā hua: Ki te kore tētahi takiwā tāone e haumarū, ka iti iho te hiahia o te tangata ki te whakamahi i taua wāhi.</p>	<p>Ūnga 1: Neke atu i 85% o te hunga noho kei te noho haumarū i roto i ngā whakaaro mō te neke haere i roto i te takiwā noho i te pō mā te whakamahi aratau pukukori.</p> <p>Ūnga 2: Neke atu i 85% o te hunga noho kei te noho haumarū i roto i ngā whakaaro ina uru atu, ina tatari, ina whakamahi hoki i ngā tūnuku tūmatanui i roto i te takiwā noho.</p> <p>Ūnga 3: Neke atu i te 75% o te hunga noho kei te noho haumarū i roto i ngā whakaaro ina tomo atu, ina kori hoki i tētahi o ngā mokowā rēhia tuwhera o te takiwā noho.</p>



3. He hapori, he takiwā noho toitū, pakari tonu

Hei tārei te noho wātea ki ngā tāngata katoa i ā tātou whanaketanga. Ka taea e tātou te whakaraupapa i te hononga paetata ki mua, e whakaheke atu te hiahia ki te haere mā runga waka tūmataiti.

Ka taea e te tangata te urutomo ki te matahuhua o ngā whāinga wāhi, tae atu ki ngā momo mahi, ki te mātauranga, ki ngā taurimatanga hauora, ki te rēhia, ki ngā pūtahi hauora me ngā whare kaupapa huhua paetata, e puta ai he wairuatanga piri ki te hapori.

Ngā Whāinga	Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga	Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)
<p>1: Te Whakahaere Hiahia Haere (Travel Demand Management TDM)</p> <p>Ka tutuki ngā pikinga hiahia mō te haere mā ngā aratau pukukori, waro pāpaku hoki, he mea whakangāwari mā ētahi kōkiri whakahaere hiahia tōtika, me te tautoko mai o ngā hangaroto waro pāpaku, me ngā haumitanga ratonga.</p>	<p>Ngā Painga: Ko tā te whakahaere hiahia haere he whakarite tikanga e tika ai te whakamahi, e whai ai hoki ngā haumitanga tūnuku, me ngā kōkiri panoni aratau.</p> <p>Ngā hua: Ki te kore ngā whakahaere hiahia haere ka iti iho te pāpātanga panoni, ā, e kore e tino whai hua te whakamahinga o ngā rawa tūnuku tūmatanui hou.</p>	<p>Ūnga 1: Ka piki te wāhanga ki te aratau pukukori, toitū ia tau, ā, kāore ngā haerenga tāngata takitahi i te waka e piki ake.</p> <p>Ūnga 2: Ka heke iho te ōwehenga o te wāhanga aratau motokā tūmataiti ki te taupori, ahakoa te pikinga o te taupori.</p> <p>Ūnga 3: He iti iho i te 25% te whāinga motokā o te kāinga noho, tēnā i ētahi atu wāhi ōrite o te tāone nui.</p>
<p>2: Te whakahaere tūranga waka</p> <p>Ka whakaurungia he tikanga whakahaere tūranga waka hei tautoko i nga pāpātanga iti iho o te whāinga motokā, mā konei ka piki ake te maru whare, ngā whāinga wāhi mō ngā mokowā kākāriki/tākaro, me te whakamahinga kakama o te whenua.</p> <p>Tirohia hoki: <i>Waka Kotahi NZTA Parking Management Guide</i></p>	<p>Ngā Painga: Mā te whakahaere tūranga waka e tika ai te whakawātea o ngā mokowā o te takiwā noho ki ōna tāngata, ki ngā hangaroto hiko, paihikara hoki, kia nui atu hoki ngā rākau, me te whakatō rākau, te whakapiki i te taiao, me te hanga mokowā āhuareka mō te noho i roto.</p> <p>Ngā hua: Ki te whakatau tata, kei whakareatoru a Kāinga Ora i te maru tokomaha e noho ana i te nuinga o ngā takiwā noho. Ki te kore he whakahaere tūranga waka, ka muia ēnei e ngā motokā tū noa, he mōrearea, he ārainga, he raruraru te hua.</p>	<p>Ūnga 1: He ritenga tiri motokā tō ia takiwā noho, e tino whakamahia ana e te hunga noho i reira. Ka piki te whakamahinga tiri motokā mā te 5% ia tau.</p> <p>Ūnga 2: Ka tae pea ki te 50% o ngā aroaro tiriti kāore he tūranga waka i te tiriti.</p> <p>Ūnga 3: 50% o ngā kāinga noho kāore he tūranga i te tekiana, engari, kei te āhua o te wātea o ngā whiringa tūnuku tēnei korenga.</p>

3. He hapori, he takiwā noho toitū, pakari tonu

Ngā Whāinga	Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga	Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)
<p>3: Te maru me ngā tūnuku</p> <p>Ka waihangatia he hapori anga-ki-ngā-tūnuku, ā, ka waiho ngā whanaketanga whakamahinga huhua maru rawa kia tata ki ngā pūtahi paetata me ngā tūranga tūnuku tūmatanui.</p> <p>Tirohia hoki: <i>National Policy Statement on Urban Development</i></p> <p><i>Government Policy Statement on Housing and Urban Development</i></p>	<p>Ngā Painga: Ka whakaraupapa ngā whanaketanga anga-ki-ngā-tūnuku ki mua ko te urunga ki ngā kāinga, ki ngā wāhi mahi me ngā whare kaupapa huhua. Hei tautoko tēnei i ngā mahi ōhanga, i ngā taumata whakamahinga tūnuku tūmatanui tiketike ake, e heke iho ai te whirinakitanga o te hunga noho ki te taraiwa motokā.</p> <p>Ngā hua: Mā te whakanoho i ngā maru teitei rawa kia tawhiti i ngā pūtahi paetata me ngā tūnuku tūmatanui ka hiahiatia ētahi atu tūranga waka, ka whakapikia ngā utu whakawhanake, ka piki hoki ngā tukuwaro.</p>	<p>Ūnga 1: E tū ana tētahi 100% o ngā whare teitei rawa i roto i te 400m o ngā pūtahi me ngā tūranga tūnuku tūmatanui tata rawa.</p> <p>Ūnga 2: Neke atu i te 40% o te hunga noho i ngā whare maru rawa, ka whakamahi i te tūnuku tūmatanui mō tā rātou haere ki te mahi ia rā.</p> <p>Ūnga 3: Neke atu i te 60% o ngā kāinga noho kei ngā whare maru rawa, kāore kau he motokā.</p>





3. He hapori, he takiwā noho toitū, pakari tonu

Ngā Whāinga

4: Te taiao o te aotūroa

Ka whakaurua te taiao o te aotūroa ki roto i te hoahoatanga tiriti me ngā mokowā tūmatanui mā te hoahoa whai whakaaro, ngā rawa toitū, me ngā kōtuitanga rautaki hāngai.

Tirohia hoki: *Aotearoa Urban Street Guide* – Ūnga 4 Te Taiao o te Aotūroa

Ngā painga o te whakatutuki, o te korenga rānei e whakatutuki i tēnei ūnga

Ngā Painga: Mā te whakauru mai i ngā wae taiao o te aotūroa, ka pakari kē atu te tū o ngā takiwā noho i waenga i ngā whiunga huarere tupua. Mā konei ka piki te āhuareka o ngā tiriti.

Ngā hua: Ki te kore tēnei putanga e tutuki, ka noho whakaraerae ō tātou hapori ki ngā pānga o ngā whiunga huarere tupua pēnei i ngā wai āwhā, i te waipuke, me ngā motu wera (heat island), nā te pānga o te panonitanga huarere.

Ngā Ūnga (Ehara i te mea ka pā ēnei ūnga ki ngā whanaketanga katoa – tēnā whakamahia ngā mea e hāngai ana)

Ūnga 1: **Kia kaua e iti iho i te 30%** te kapinga rākau o ngā tiriti me ngā mokowā tuwhera.

Ūnga 2: **Me eke ki te 50%** o ngā mata whenua he tukunoa i te wai.

Ūnga 3: **Kia kaua e iti i te 50%** o ngā wai āwhā ka hopukina i te tekiana mā te whakamahi tikanga toitū pēnei i ngā mārā ua, i ngā awakeri, ngā pārua, te aha, te aha.



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He painga waka haere toitū

ā-Pāpori	ā-Taiao	ā-Ōhanga	ā-Ahurea
<p>Te pikinga ake o te toiora ā-tinana, ā-hinengaro hoki</p> <p>He mea taketake mō te hauora tinana, hauora hinengaro hoki te kori mō te 30 meneti ia rā. Mā ngā whatunga tiriti ngāwari ki te whakatapoko, he mea tautoko nā ngā tūnuku tūmatanui, e tautoko te haere pukukori mō ngā haerenga o ia rā.</p>	<p>Te whakahekenga i te maha o ngā whakapokenga tūkino</p> <p>Mā te itinga iho o ngā haerenga motokā tūmataiti ka iti iho te pokenga hau. Mā te hekenga iho o ngā haerenga motokā ka iti iho ngā turunga wai poke, e pokea ai ngā rerenga wai.</p>	<p>Te whakahekenga i ngā utu haere mō ngā kāinga noho</p> <p>Ka eke te utu mō ngā tūnuku ki te 15% o ngā utunga kāinga noho toharite; ā, he nui kē atu mō te hunga whiwhinga pūtea pāpaku. Mā ngā whiringa tūnuku tūhono i te tangata me ētahi whāinga wāhi, me te āhei tonu kia pai te noho i te ao, kāhore he motokā, ka māmā ake tenei taumahatanga ahumoni.</p>	<p>Te whakaurunga mai o ngā whakaaro Māori</p> <p>He mana, he reo, he pānga tuku tō te mana whenua, tō te kaitiaki whenua, ā, kia whakakāngia anō e rātou ō rātou hononga ki ngā horanuku ahurea, kia tahuri ki te whakatū kāinga hou, me te noho piripono ki ngā hononga a ngā tūpuna, me ngā āhuetanga o te ao hou e mōhiotia ana e te tangata</p>
<p>Te tūtakitaki atu ki te tangata</p> <p>He mana, he reo, he pānga tuku tō te mana whenua, tō te kaitiaki whenua, ā, kia whakakāngia anō e rātou ō rātou hononga ki ngā horanuku ahurea, kia tahuri ki te whakatū kāinga hou, me te noho piripono ki ngā hononga a ngā tūpuna, me ngā āhuetanga o te ao hou e mōhiotia ana e te tangata.</p>	<p>Te whakaheke tukuwaro</p> <p>E noho ana te haere mā runga rori hei 47% o ngā tukuwaro CO₂ katoa o Aotearoa. Mā te whakaheke i te hiahia o te tangata kia haere mā runga motokā tūmataiti e heke iho ngā tukuwaro tūnuku.</p>	<p>Ngā utu whakawhanaketanga iti iho</p> <p>Mā ngā taumata iti iho o te whakamahi me whai motokā ka iti iho te mokowā e hiahiatia ana hei tūranga, hei nekehanga hoki mō ngā motokā tūmataiti. Mā tēnei ka heke iho ngā utunga whanaketanga me ngā hiahia mokowā mō ia kāinga.</p>	<p>He wāhi mō ngā ahurea katoa</p> <p>Me noho anō te whatunga tiriti hei taiao hao i te katoa, pōwhiri hoki i te katoa hei wāhi whakaata, whakanui hoki i te matahuhua o ngā ahurea i te takiwā. Hei whakaata ngā tiriti hao i te katoa i te tū ahurei me ngā moemoeā o ia hapori.</p>

He painga tūnuku toitū (te roanga atu)

ā-Pāpori	ā-Taiao	ā-Ōhanga	ā-Ahurea
<p>Te whanaketanga o te tamariki</p> <p>Mā ngā tiriti me ngā mokowā haumarua e whakahohe te koringa tinana kaha ake mā te tamariki me te taiohi. Mā tēnei wāteatanga ka piki ake te koi o te hinengaro me te ihumanea.</p>	<p>Te whakarei/te whakarauora i te taiao o te aotūroa</p> <p>Ki te iti iho te mokowā e hiahiatia ana hei arataki waka hei whakatū hoki i te waka ka nui kē atu te mokowā wātea mō ngā māra, mō te whakatupu māra, mō te horoi wai āwhā me te whakaawa wai toitū.</p>	<p>He ōhanga paetata pakari</p> <p>Mā te maru whare teitei kē atu, waihoki ngā tiriti ka taea te hīkoi me ngā tūnuku tūmatanui pūputu ka tautokona ngā umanga paetata o nāiane, ka puta hoki ētahi whāinga wāhi hou.</p>	<p>He ahurea whakamahi waka haere toiora</p> <p>Hei whāinga wāhi ngā whanaketanga o Kāinga Ora kia whakatūria he aratau tūnuku toitū hei whiringa pīrangī mā te hunga noho i reira.</p> <p>Mā te whakapai i ngā hangaroto me ngā taumata ratonga mō ngā tūnuku tūmatanui, mō te hīkoi me te eke paihikara ka kitea he ahurea tūnuku tūmatanui</p>



Ngā hononga rautaki

He mea taketake ngā hononga rautaki whai hua, pāhekoheko hoki hei hora i ngā Putanga Tūnuku Toitū. Me mātua noho mai he hononga, he mahi pāhekoheko, he whakaaetanga tōpū hoki ki ngā hoa kōtui me ngā kaupupuru pānga hāngai. Ina ēnei e whakarāpopototia ana i raro iho nei:

Kaipupuru Pānga/ Hoa Kōtui	Te hononga rautaki	Ngā tuhinga me ngā ture hāngai
Kāinga Ora	<ul style="list-style-type: none"> Te mahi pāhekoheko puta noa i te whakahaere katoa, te tārei i te hātepe hanga wāhi mai i te ariā ki te whakatinanatanga 	<ul style="list-style-type: none"> Te Rautaki Taiao o Kāinga Ora Te Rautaki Whanaketanga Tāone o Kāinga Ora Te Rautaki Māori o Kāinga Ora Te Rautaki Whare Āhua Ngāwari te Utu o Kāinga Ora Ngā Mahere ā-Rohe Ngā Rautaki Whanaketanga Takiwā Te Rautaki Hapori o Kāinga Ora
Ngā ture me ngā kaupapa here kāwanatanga	<ul style="list-style-type: none"> Te whakahāngaitanga ki ngā putanga tūroa me ngā huaputa o te wā 	<ul style="list-style-type: none"> Te Rautaki Taiao o Kāinga Ora Te Rautaki Whanaketanga Tāone o Kāinga Ora Te Rautaki Māori o Kāinga Ora Te Rautaki Whare Āhua Ngāwari te Utu o Kāinga Ora He Rautaki Whanaketanga Rohe nō ngā Mahere ā-Takiwā Te Rautaki Hapori o Kāinga Ora <p>Te Manatū Waka</p> <ul style="list-style-type: none"> Te Anga Whakatakoto Hua mō ngā Waka - Transport Outcomes Framework Te Ara ki te Ora - Road to Zero Hikina te Kohupara: Kia mauri ora ai te iwi / Transport Emissions: Pathways to Net Zero by 2050 <p>Te Tūāpapa Kura Kāinga</p> <ul style="list-style-type: none"> Urban Growth Agenda (UGA)
Ngā mahere, ngā aratohu me ngā paerewa kawatananga ā-motu	<ul style="list-style-type: none"> Te pāhekoheko i waenga tari Ngā kōtuitanga whāingainga pūtea Ngā kōkiri hou me ngā whakamātautau 	<ul style="list-style-type: none"> Transport Emissions Action Plan (TEAP) Keeping Cities Moving - te mahere whakawhiti aratau ā-motu Innovating Streets for People Aotearoa Urban Street Planning and Design Guide One Network Framework Arataki - tā mātou matakite mō te 12-tau mō ngā mea e tika ana hei whakatutuki i ngā whāinga matua me ngā whāinga tūroa a te kāwanatanga mō te pūnaha tūnuku whenua Ngā aratohu aratau maha a Waka Kotahi

Ngā hononga rautaki (cont'd)

Kaipupuru Pānga/ Hoa Kōtui	Te hononga rautaki	Ngā tuhinga me ngā ture hāngai
Ngā kaunihera ā-rohe	<ul style="list-style-type: none"> Mahere kōkiri paetata Ngā raihanatanga waihanga me ngā whakaaetanga Te hoahoa tiriti Te whakahaere tūranga waka Te whakamahere whatunga tūnuku tūmatanui haumi Ngā whatunga aratau pukukori Ngā kaupapa tūnuku kura Te whāngai moni tae atu ki te hanganga o ngā rawa rori 	<ul style="list-style-type: none"> He aratohu, he rautaki tūnuku hoki Ngā mahere haumitanga tūroa Ngā rautaki Vision Zero Ngā mahere whakaheke tukuwaro (hei taurira te TERP a Tāmakimakaurau) Keeping Cities Moving: Ngā mahere whakawhiti aratau ā-takiwā Te Tāruke-ā-Tāwhiri: Auckland's Climate Plan
Mana whenua	<ul style="list-style-type: none"> Te tautohu me te tautiaki i ngā pānga Māori He whakawhanake he whakatinana hoki i ngā whāinga wāhi matakite mō te hapori hei whakapūmau i te noho o ngā reanga hou E whakaaetia ana ko ngā Māori ngā kaitiaki o ngā whanaketanga a Kāinga Ora, me ōna haepapa hei whakarauora hei tiaki hoki i te taiao He āwhina i a mātou kia tutuki ō mātou here mō Te Tiriti o Waitangi 	<ul style="list-style-type: none"> Te Tiriti o Waitangi Te Rautaki Māori o Kāinga Ora – Kāinga Ora Māori Strategy MAIHI Ka Ora – National Māori Housing Strategy Te Tiriti o Waitangi
Ngā rōpū hapori	<ul style="list-style-type: none"> Te tautohu me te tautiaki i ngā pānga Māori He whakawhanake he whakatinana hoki i ngā whāinga wāhi matakite mō te hapori hei whakapūmau i te noho o ngā reanga hou E whakaaetia ana ko ngā Māori ngā kaitiaki o ngā whanaketanga a Kāinga Ora, me ōna haepapa hei whakarauora hei tiaki hoki i te taiao He āwhina i a mātou kia tutuki ō mātou here mō Te Tiriti o Waitangi 	<ul style="list-style-type: none"> Te Rautaki Hapori o Kāinga Ora He Toa Takitini – Kāinga Ora Partnership and Engagement Framework

Ngā Ariā Matua

Ariā	Te Whakamārama me te puna
Ngā reanga pakeke me ngā pūmanawa katoa	<p>Kua oti ngā tiriti te hoahoa kia māmā mā ngā kaiwhakamahi katoa, inā hoki, he haumaruru, he āhuareka ki te whai, he ōrite te noho wātea ki te katoa, kua hoahoatia mō te kaiwhakamahi whakaraerae rawa. He tino whai tikanga ina hoahoa mō te paihikara. Ka taea e te katoa, ahakoa te pakeke, te ira, te whaikaha, te tautōhito eke paihikaha te whakamahi i tētahi hanganga paihikara Pakeke me ngā Pūmanawa Katoa. Mā tēnei e kaha ake te huri ki te paihikara e ērā e kī ana ko te hauora tētahi maioro matua e kore ai e eke paihikara, waihoki ko ērā e anga ana ki te eke paihikara, engari he uaua e ai ki ō rātou whakaaro te eke paihikara i ngā tiriti apiapi, kei reira te tini o ngā motokā, taraka, aha atu.</p> <p>Puna: <i>Designing for All Ages and Abilities</i>, NACTO, 2017</p>
Crime Prevention Through Environmental Design (CPTED)	<p>Ko tēnei mea te Ārai i Te Hara mā te Hoahoa CPTED he aronga i takea mai i te hoahoa pai, me te whakamahi atamai i te hanganga tangata hei whakahaere i te pānga, otirā, i te wehi kei pā he hara, me te whakapiki i te pai o te noho. Ko te whakamahinga i CPTED e whakaarotia ana he mea whakaheke i te hara me te matakū mā te whakaheke i ngā whāinga wāhi ki te hara, ki te penapena hoki i ngā mahi tūtakitaki atu ki te tangata i waenga i te hunga whakamahi i te mokowā e tika ana. Ko te aronga nui kia āraia te hara, kua ko te hopu me te whakawhiu i te tangata. Ko ngā wāhi whakangahau, hokohoko hoki e whakaarotia ana he haumaruru, ko te nuinga he mokowā hāpori manahau, mokowā nui te whakamahi.</p> <p>Puna: <i>National Guidelines on CPTED NZ</i>, Ministry of Justice, 2005</p>
Ngā Mātāpono Hoahoa Tiriti ā-Ao	<p>Ko tā te Aratohu Hoahoa Tiriti ā-Ao o NACTO he tautoko i te hunga mahi kia tautuhi anō i te āhua o ngā tiriti o te tāone nui. Kua oti ēnei mātāpono te waihanga, ā, nā ngā mātanga mai i ngā tāone-nui 72, i ngā whenua 42 i āwhina.</p> <p>Kua oti ngā Mātāpono Hoahoa Tiriti ā-Ao te whakaurutau mō te āhua i konei i Aotearoa hei hāpai i ō tātou āhuatanga pāpori, hauora, taiao hoki o konei, tae atu ki ngā rōpū kaunihera ā-rohe, manatū anō hoki. E noho ana ēnei āhuatanga i waenga pū i te Aratohu Hoahoa Tiriti ā-Ao.</p> <p>Puna: NACTO, 2016</p>
He Tiriti Hauora	<p>Tekau ngā tūtohu Tiriti Hauora e whakamahia ana hei aromātai i te ora o tētahi tiriti. Ko te whāinga he whakapiki i te kounga o ngā wheako tiriti e pōwhiritia ai te tangata kia whai i ngā aratau hauora kē atu (te hīkoi tērā, te eke paihikara tērā me ngā tūnuku tūmatanui) Mā te whakarahi i ngā tāngata hīkoi me te whakatū taiao āhuareka kē atu, kua manahau ngā tiriti, kua hauora ā-pāpori, ā-ōhanga, kua toitū hoki te taiao.</p> <p>Puna: <i>Healthy Streets</i>, Healthy Streets Ltd, 2020</p> <p><i>Healthy Streets for London, Transport for London, 2017</i></p>

Ngā Ariā Matua (cont'd)

Ariā	Te Whakamārama me te puna
Transport Management Association (TMA)	<p>Ko ngā Rōpū Whakahaere Tūnuku he whakahaere arumoni-kore, mā ngā mema e whakahaere, e hora nei i ngā ratonga tūnuku, i ngā mōhiotanga, i ngā mahi ruruku hoki i roto i tētahi takiwā. Ko te nuinga he kōtuitanga tūmatanui-tūmataiti, ko te nuinga o ngā mema ko ngā umanga o te rohe, ko ngā hinonga rahi rānei, me te tautoko mai a te kaunihera ā-rohe.</p> <p>Ko tā ngā Rōpū Whakahaere Tūnuku he hoatu anga whakahaere hei whakatinana kōkiri i āta rurukutia hei whakahaere i ngā hiahia tūnuku, hei whakaraupapa hoki i te whakamahinga atamai o ngā rawa tūnuku, whakatū waka hoki.</p> <p>Puna: <i>Traffic Demand Management Encyclopaedia</i>, Victoria Transport Policy Institute, 2019</p>
Travel Demand Management (TDM)	<p>Ko tēnei ingoa te Whakahaere Hiahia Haere he kupu aronui mō ngā rautaki e kakama ake ai te whakamahinga tūnuku, ā, mō te nuinga ka pā ki ngā kaupapa here me ngā hōtaka e panonitia ai te whanonga haere a te tangata, me te whakaputa i te tini o ngā hua. Kei roto i tēnei karangatanga ko ngā whakapikinga i ngā hangaroto, i ngā ratonga tūnuku, i te whakamahere whakamahinga whenua, me ngā hōtaka panoni whanonga.</p> <p>Puna: <i>Travel Demand Management: Strategies and Outcomes</i>, Waka Kotahi NZTA, 2020</p>
Ngā Tāone 20-Meneti	<p>Te whakamahere tāone kia ngāwari te haere; mā tēnei āhua ka tae ki te nuinga o ō hiahia i muri i tētahi hīkoi, paihikara, haerenga tūnuku tūmatanui rānei i tō kāinga, e 20 meneti te roa. I timata tēnei i Portland, Oregon, ā, kei te whakamahia ināianei e ngā tāone huri noa i te ao (tae atu ki Kirikiriroa, Aotearoa).</p> <p>Puna: <i>“The 20-minute city” – The city of the future?</i>, Better Futures Forum, 2020</p>
Te Hoahoa ā-Ao	<p>Ko te Hoahoa ā-Ao te hoahoa whare, hua, taiao rānei kia wātea ngā tāngata katoa e taea ana, ahakoa te pakeke, te hauā me ērā atu pūtake.</p> <p>Puna: <i>Universal Design He Tauria ā-Whānui</i>, Auckland Design Manual</p>
Vision Zero	<p>He ara pūnaha haumaruru e kī ana, kāore e whakaaetia kia mate he tangata kotahi. Ko te ariā kia noho ko te neke tinana haumaruru hei tika kirirarau, ahakoa te aratau. Me kakama ngā hōtaka haumaruru, ā, me anga ā-pūnaha ki te whakakore i te tūponotanga mai o te wharanga, o te matenga rānei. E hāpaingia ana e te rautaki a Te Manatū Waka Ministry of Transport e kīa nei ko Road to Zero i ngā tikanga whakaaro o Vision Zero mō Aotearoa katoa. Inā rā ngā mātāpono ārahi e whitu o te rautaki Road to Zero:</p> <ol style="list-style-type: none"> 1. E whakatairanga ana mātou i ngā whiringa pai engari me whakamahere mō ngā hapa 2. Ka hoahoa mātou mō ngā ngoikoretanga o te tangata 3. Ka whakapakaritia e mātou ngā wāhanga katoa o te pūnaha tūnuku rori 4. He haepapa kawē ngātahi tō tātou kia whakapikia te haumaruru rori 5. I takea mai ā tātou mahi i ngā taunakitanga, ā, e aromātaitia ana 6. E tautoko ana ā tātou mahi haumaruru rori i te hauora, i te toiora me ngā wāhi ngāwari te noho 7. Ka tōia e tātou te whakatauranga take matua hei kaupapa tuatahi <p>Puna: <i>Te Ara ki te Ora Road to Zero</i>, Te Manatū Waka Ministry of Transport, 2019</p>

