



Te hononga o
te āhuarangi
hurihuri ki a koe

KŌWAE AKO 1 NGĀ PAINGA O TE URUTAU

Hei rangatira pukumahi o tētahi hinonga āhua paku (SME), ākuanei pea koe e pātai ana ki a koe anō, “he aha te painga mōku ake?” Ehara i te mea ko te whakamauru tūraru anake te painga o te urutau ki te āhuarangi hurihuri – ka pai anō hoki te pānga atu ki tō huamoni whakamutunga, tō whāomo ā-whakahaere, me tō ingoa pai. Kia hōpara tāua i te āhua o te āwhina a te urutaunga ki te āhuarangi hurihuri ki te tautoko i tō pakihi mā ngā huarahi huhua.

1. Te penapena pūtea me te whakataetae pakari ake

Mā te urutau ki te āhuarangi hurihuri ka puta pea he penapena pūtea nui mā roto i te whakaheke i ngā utu ā-whakahaere me te whakaheke hoki i ngā utuhoko inihua. Mā te whakahaere tōmua i ngā tūraru whai hāngai ki te āhuarangi, ka taea e koe te karo ngā ohore utu nui pēnei i ngā rawa i kino i te wai, i te whai rānei i te tukanga tino roa ki te tuku kokoraho inihua. He maha nga whare pūtea e tuku whakahekenga utu ana ki ngā umanga e whakahaere tōtika ana i ō rātou tūraru whai hāngai ki te āhuarangi. Ka riro hoki ēnei hei poapoa anō ki te urutau.

2 Auroatanga pakihi i whakareia

Mā te whakahaere i tō whakaraerae ki ngā tūraru whai hāngai ki te āhuarangi, me te whakatakoto i ngā mahere urutaunga pakari, ka taea e koe te whakapakari ake i te auroatanga me te manawaroa o tō pakihi. Nā reira, ka whai āheinga koe ki te whakahaere tonu, ki te whakarata tonu i ngā popono o ngā kiritaki ahakoa te pānga mai o ngā tūāhuatanga huarere taikaha me ētahi atu omo tauwhatinga whai hāngai ki te āhuarangi, me te wawao tonu i ō rere moniwhiwhi me te tiaki i te māha o ngā kiritaki.

3 Huanga pakihi

Ka taea e te urutaunga te whakawhiwhi i tētahi huanga pakihi mā te whakamanawaroa ake, me te whakakōkī ake hoki i tō pakihi. Mā te pēnei e tauwehea ai tō pakihi i ngā pakihi o ō hoa whakataetae kāore e mārama, e whakatika rānei i ō rātou tūraru whai hāngai ki te āhuarangi. Mā te tautohu i ngā arawātea mō te auaha me te wehewehe i te māketē, pēnei i te waihanga i ngā hautaonga hōu, ngā ratonga rānei hei whakareia ake i te whāomo ā-wai i ngā tauraki, ka taea e koe te whiwhi i te ‘huanga neke tuatahi’ ki te hao i ngā tiringa māketē hōu.

4 Ngā painga mō te ingoa pai

Ka whakaatu te whakahaere tōmua i ngā tūraru whai hāngai ki te āhuarangi ki te hunga whaipānga (tae atu ki ngā kaupuri pānga, me ngā kiritaki, me ngā kaimahi ā-mua me ngā kaihaumi) kua whai whakaaro tō pakihi ki anamata, waihoki, he haepapa hoki tō pakihi. Mā te whai wāhi ki ngā kōrerorero āhuarangi me ngā koringa āhuarangi i tō hapori ā-rohe ka taea te ingoa pai o tō pakihi kia whakareia ake hei hinonga tūoho ā-taiao, takopori anō hoki. Mā konei e whakapakaritia ake ai te whakapono me te piripono o te hunga whaipānga ki tō pakihi.

5 Ka pakari ake te whakahaere i te kapewhiti

Ka taea ngā utu urutaunga āhuarangi te whakamahere i roto i te wā. I te nuinga o te wā ka āhei koe ki te āta whakapakari ake i te manawaroa o tō pakihi. Engaringari, ka nui, ka pā wawe tonu ngā utu e hono ana ki te pakaru waipuke, ki tētahi taiopenga i whakakorea rānei. Ka hua ake ngā raru kapewhiti me te aha ka uaua ki te whakatutuki i ngā kurutete mātuatua pēnei i te utu i ngā kaimahi, i te hoko rānei i ngā rawa hōu.

6 Te ao Māori me te manawaroa pāpori

Mō ngā pakihi e puritia ana e ngāi Māori, ko te urutaunga e hāngai ana ki te tiakitanga ā-taiao whaihua ka tairite ki ngā uara o te ao Māori. Ka whaihua tō pakihi me tō hapori, taiao hoki i te whakamōrunga ake i ngā uara ahurea e takea ana i te kōwhiri ā-tupuna me te tiaki i ngā painga mō ngā whakatupuranga ā muri ake.

7 Te urutaunga me te whakamaurutanga

Mā te urutau ki te āhuarangi hurihuri ka puta ake he arawātea ki te whakamauru i ngā pānga o tō pakihi ki te taiao (hei tauira, ko te whakaheke i te tukunga waro) Hei tauira, mā te whakatū i ngā papa hiko kōmaru e taea ai e tō pakihi te haere tonu ina tauwhatia ngā rawa pūngao, ka whakaiti hoki i te tapuwae waro whānui o tō pakihi me te whakaheke i ngā utu.

Ngā Tohutoro

Wāhanga	Kōwae Ako	Ngā Tohutoro
Kupu Whakataki		Te Tari Tiaki Pūngao (2021). Climate Change and New Zealand Business: Nov 2021: eeca.govt.nz/insights/eeca-insights/climate-change-and-new-zealand-business Sustainable Business Council (2024). SBC Guide: Measure, reduce and report on your business's carbon footprint: sbc.org.nz/wpcontent/uploads/2024/06/SBC-Guide-Measure-reduce-and-report-on-your-business-carbon-footprint.pdf Te Manatū Mō Te Taiao (2021). He kupu ārahi mō te aromatawai tūraru huringa āhuarangi ā-rohe Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Te Manatū Mō Te Taiao (2022). National adaptation plan: environment.govt.nz/publications/aotearoa-new-zealands-first-national-adaptation-plan Te Manatū Mō Te Taiao (2022). Ngā mahi āhuarangi mō ngāi Māori: Te mahere urutaunga ā-motu: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan
	Ngā painga o te urutau	Queensland Government (n.d). Climate Change Risk Management Tool for Small Businesses in Queensland: qld.gov.au/data/ass-ets/pdf/file/0026/132398/ccrmt-businesses-full.pdf Business.govt.nz (n.d). Te whakamahere auroatanga me te pā whakarere: business.govt.nz/risks-and-operations/planning-for-the-unexpected-bcp/continuity-and-contingency-planning
	Ngā tūāpapa o te āhuarangi hurihuri	The Intergovernmental Panel on Climate Change (IPCC) (2021). Summary for Policymakers: https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM.pdf Manaaki Whenua (2021). He huringa ā huarangi he huringa ao: a changing climate, a changing world: landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf Ministry for Environment (2021). National Climate Change Risk Assessment: https://www.landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf NIWA (2020). Auckland region climate change projections and impacts: knowledgeauckland.org.nz/publications/auckland-region-climate-change-projections-and-impacts-revised-september-2020 Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: https://knowledgeauckland.org.nz/publications/auckland-region-climate-change-projections-and-impacts-revised-september-2020 Ministry for Environment (2021). A Guide to Local Climate Change Risk Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Ministry for the Environment (2022). Climate action for Māori: The national adaptation plan: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan NIWA (2020). Climate change and possible impacts for New Zealand: niwa.co.nz/climate-change-information-climate-solvers/climate-change-and-possible-impacts-new-zealand Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: knowledgeauckland.org.nz/publications/tamaki-makaurau-economic-climate-change-risk-assessment
	He tirohanga ao Māori	Manaaki Whenua (2021). He huringa ā huarangi he huringa ao: a changing climate, a changing world: landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf Ministry for Environment (2021). A Guide to Local Climate Change Risk Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Ministry for the Environment (2022). Climate action for Māori: The national adaptation plan: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: knowledgeauckland.org.nz/publications/tamaki-makaurau-economic-climate-change-risk-assessment

Me mōhio koe ki ō tūraru	Te tautohu i ō tūraru me ngā arawātea	Manaaki Whenua (2021). He huringa ā huarangi he huringa ao: a changing climate, a changing world: landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf Ministry for Environment (2021). A Guide to Local Climate Change Risk Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Ministry for the Environment (2022). Climate action for Māori: The national adaptation plan: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: knowledgeauckland.org.nz/publications/tamaki-makaurau-economic-climate-change-risk-assessment
	Te aromatawai i ō tūraru	Manaaki Whenua (2021). He huringa ā huarangi he huringa ao: a changing climate, a changing world: landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf Ministry for Environment (2021). A Guide to Local Climate Change Risk Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Ministry for the Environment (2022). Climate action for Māori: The national adaptation plan: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: knowledgeauckland.org.nz/publications/tamaki-makaurau-economic-climate-change-risk-assessment
Whakamaheretia, mahia, arotakea	Te whakatakoto i tāu mahere urutaunga	Business.govt.nz (n.d). Continuity and contingency planning: business.govt.nz/risks-and-operations/planning-for-the-unexpected-bcp/continuity-and-contingency-planning
	Te arotake i tāu mahere urutaunga	UK Climate Impacts Programme (UKCIP) (n.d). AdaptME toolkit: ukcip.org.uk/wp-content/PDFs/UKCIP-AdaptME.pdf