

TA'N NUTA'Q: CARBON MARKET 101

KOQOWEY NET GHG EMISSION, EJIKLA'TOQ AQQ MENA'TOQ?

KOQOWEY GREENHOUSE GASES?

Greenhouse gases (GHGs) na gases ta'n kisi, tewa'tasik, l'tasin wjit atmosphere, wesuwa'toq aqq kelnik eptek wejiaq na'ku'setiktuk. Ula tela'sik na kisi wisukowk "greenhouse effect". Ta'n wenaqa'toq ula gases ta'n atmosphere kisa'toq global telike'k wjit wenaqa'sik aqq global climate wjit piluwa'sin.

Ta'n kutey teltek GHG wiaqtek:

- Carbon dioxide (CO₂)
- Sulphur hexafluoride (SF₆)
- Methane (CH₄)
- Hydrofluorocarbons (HFCs)
- Nitrous oxide (N₂O)
- Perfluorocarbons (PFCs)

Et kl GHG wesko'tk ajelk ta'n tela'sik climate aqq piluway. Wjit ankaptmin menaqaj newte' tlen, GHGs kisi kuwaska'tasitew wjit ta'n teltek wjit carbon dioxide teltek staqa (CO₂e) kutey wejiaq global warming potential (GWP) Ta'n tujiw kuwaska'tasik (CO₂e), pilu'tek GHGs kisi ika'tasitew kitk wjit iknmatn GHG emission kisa emission ejikla'sik.

GHG emission ika'q ta'n tujiw GHG tewa'toq ta'n wetlamimk mimajuinu telukwet, kutey nu'kwa'toq fossil fuels kutey gasoline aqq disel, aqq ta'n biological wejiaq, kutey ta'n sa'qawey koqowey nukwiaq.

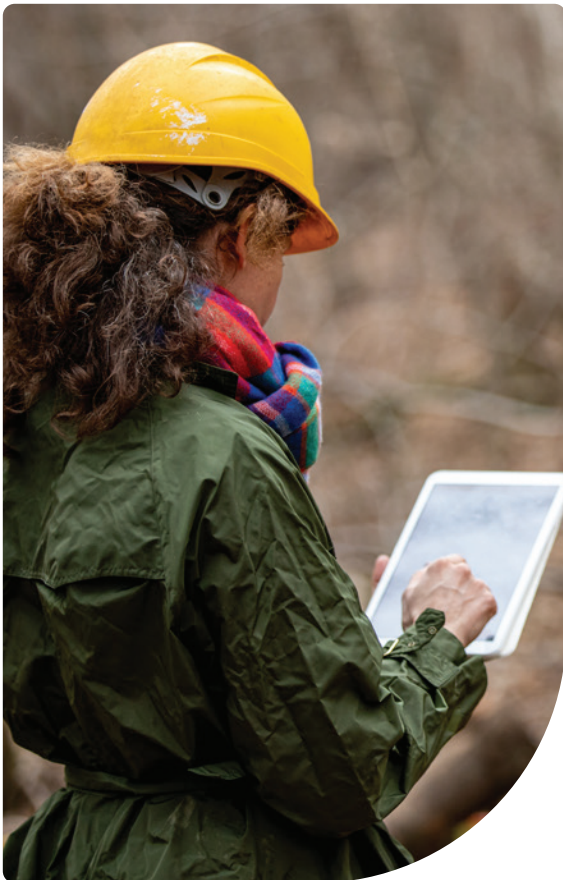
GHG emissions kisi jikla'tasitew pemiaq ta'n kisia'toq ejikla'sik GHG mu asite'tmuk koqowey tla'sin kisa sapa'sin. GHGs na kisi jkla'tasitew wejiaq atmosphere pemiaq ta'n ki's eteklip kisa kisitasik mesinmi'tij aqq kelo'tasik. Kutey, wasuwekl ejikla'sik CO₂ wejiaq atmosphere ta'n tujiw nikwek. Technological teli pijiaq elt mesinmi'tij GHGs aqq kuwaska'tu'tij chemically kisa ta'n nemitasik kwulaman kisi klo'tasitew.



Global Warming Potential (GWP):

Methane wekunk GWP ta'n 25 te'sik ula carbon dioxide, ta'n teluwek ta'n 1 tonne wjit methane newte' ala'toq 25 tonnes wjit carbon dioxide, aqq 1 tonne wjit methane kisi kuwaska'tasitew wjit 25 tonnes CO₂e.





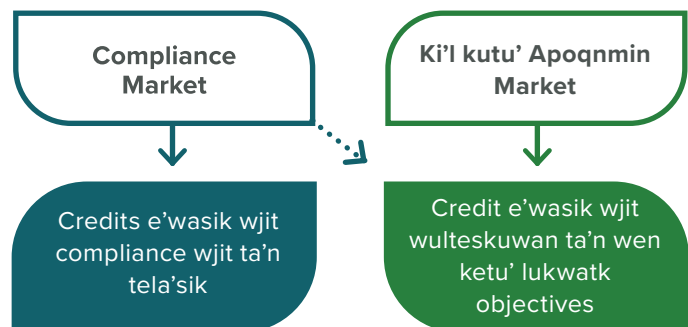
KOQOWEY NET CARBON MARKETS?

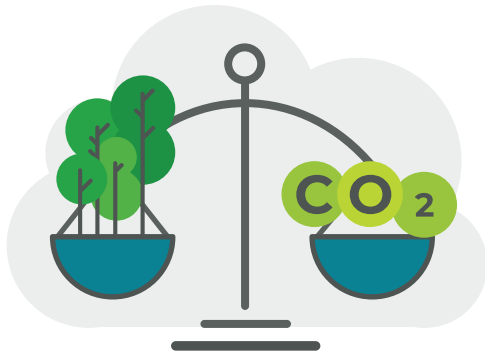
Na carbon market teltek wjit poqatelman aqq metuwi'sketu'n credits (elt teli jijitasik kisi suwa'tu'un wjit wen koqowey wesunk) ta'n teluwisik GHG emissions, ejikla'toq kiswa ejikla'toq. Maliaptmi'tij kiswa ta'n majuinu'k poqatelmi'tij units wjit carbon market wjit kulutmi'tij welteskatultinew GHG emission pasik tepesk kiswa wjit pikuwey.

Etekl tapu'kl teltekl carbon market-Ta'n ketu'tsuwa'toq aqq compliance. Ula na teltek kutey ta'n tujiw kisi kuwaska'tu'n unit e'wasik wjit weltekmin ketu' tla'tu'n kiswa regulatory emission te'sik.

Majuinu'k kiswa ikana'tu'tij ta'n tuju menuweke'tij GHG emission wejiaq ta'n koqowey elukwatu'tij wejiaq apoqnmuwet ta'n tujiw kisita'sij. Kutey, etek ta'n maliaptasik skimtuk carbon tewiaq kiswa "net-zero" wejiaq keknuwe'k newtipunkek. Ula na teluek ta'n ika'lsit wjit nisa'toq emission aqq apankitunew wjit ta'n pasik koqowey me' etek emission wjit kutey GHG ejikla'sik. Piluwey kutey ta'n wen newte' ta'n menuweket emission wejiaq ta'n wejiet kiswa piluwey koqowey telukutijik.

Ta'n elukutijik weskunmi'tij te'sik ta'n GHG emission ta'n kaplno'lowey tela'sik kisi e'wtew wejiaq **compliance market** wjit wulteskmin te'sik. Mu-eymu'tikik majuinu'k aqq lukwaqn jiptuk kisi asite'tew poqatelman aqq e'wmin wejiaq compliance market wjit wulteskuwan emissions ejikla'toq ta'n menuweken.





KOQOWEY NET OFFSET CREDIT?

Na GHG offset credit (elt teluwisik carbon credit) na kisi suwa'tu'n tujiw iknmat ta'n ikana'toq newte' tonne wjit ejikla'toq GHG emission kiswa GHG mena'toq GHG offset system. Offset credits na ika'tasik wjit apoqnmmin ta'n ketu' lukwasik kisa'toq nisa'sik emissions kiswa ejikla'toq GHG wejiaq ta'n tett welteskatikl nuta'q wjit GHG offset system. Ula credit elt kisi tuwi'sketasitew carbon market aqq e'wasin wejiaq piluway wjit regulatory compliance kiswa wjit wulteskuwan emission ejikla'tasik koqowey piluway.

KOQOWEY NET GHG OFFSET SYSTEM?

Na GHG offset system (elt teluwisik GHG offset program) na tplutaqn aqq tela'sik ta'n talkis offset credit kisi ankuwa'tasitew. Wjit tela'sik wjit kisa'toq ankuwa'sik offset credits, majuinu'k kiswa ta'n maliaptasik wejiaq ta'n koqowey welteskasik offset system tplutaqn ika'tasik wejiaq ta'n ikana'toq offset system. Katu pasik ika'tasik, ula majuinu'k kiswa ta'n maliaptasik-ankaptasik wjit elukwasik proponants- musta'q nasiwi'kusin wjit offset system ikana'toq aqq majukwatmin tela'sik, asite'tasik wejiaq ikana'toq ewikasik menaqaj wjit elukwasik. Na oddest system ikana'toq ajite'k elukwasik proponent welteskik tplutaqn system tmk ika'toq offset system.

Offset system eliaq ta'n aslumsit wen market na te's iknana'toq wejiaq mu-kaplno'l ikana'toq, ta'n tala'toq offset credit wjit elukwasik ta'n weltekikl tplutaqn.

Offsets system ika'toq liaqn wjit compliance market ta'n te's ika'tasik wejiaq kaplno'l ikana'tu'tij, ta'n ika'toq tplutaqn ta'n offset credits na ika'toq credits wjit asite'tasik ejikla'sik kiswa mena'toq.

Offset system ika'tasik wjit wen elukwat market wjit asite'tk ajiki'k elukwasik aqq ika'toq ajiki'k elukwasik proponants, ta'n tujiw piluway offset system eliaq regulatory compliance weskunk ta'n naji jiksitasikl tplutaqn.





KOQOWEY NET OFFSET ELUKWASIK?

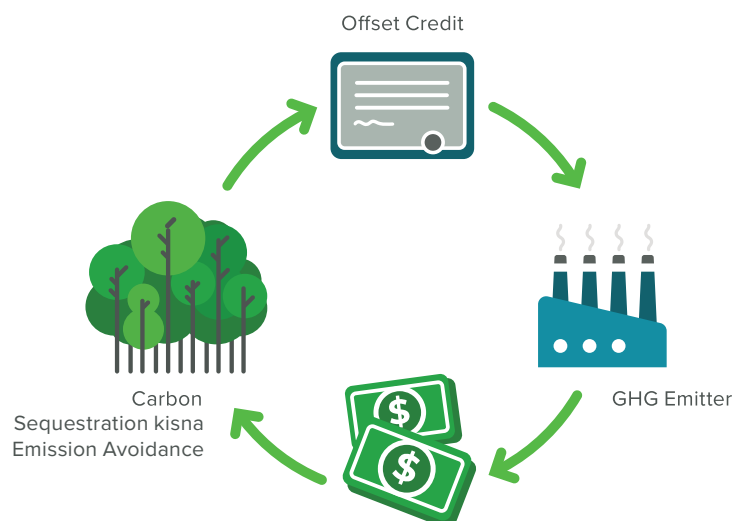
Offset elukwasik na nutukwi lukwasik koqowey ta'n kisa'toq GHG ejikla'toq kiswa mena'qtoq ta'n tujiw tla'sik wjit mu elukwasinuk (baseline). Elukwasik proponants nuta'q nasiwi'kusin ta'n elukwasik wjit offset system ikana'toq, tujiw wiaqa'toq elukwasik, ankaptik aqq menwi'kik koqowey elukwasik te'sik, aqq ta'n ejikla'sik kiswa mena'tasik nuta'q wejiaq offset system tplutaqn. Nekmuk elt nuta'q jikla'tnew kiswa mna'tnew claim nemitasik wejiaq ta'n weskunk koqowey, newtukwilukwet.

Koqowey kutey etek offset eltasik kutey ula wiaqtek:

- Naji klu'kn ikana'tasik wjit nipukt wjit siawisunmin me' carbon staoqniktuk/ tupkwan
- Ejikla'sin tewa'tasik ula methane gas wejiaq landfills
- Wesuwa'toq action wjitkatk nipukt kiswa sikuwe'kati wejiaq kisitasik (kulaman kelo'tasik carbon ,u tewa'tasinuk)
- Ewaqa ew'min chemicals ta'n refridgeration system ta'n kisa'toq naji tekla'j global warming
- Composting organic ejiklekemk ewnaqa wjit elkitasik maqamikow wejuwa'tasik.
- Stoqn nikwenujik
- Mesnmin methane gas wejiaq ta'n mimjik manure
- Wenaqa'tasik te'sik carbon kelnmi'tij nekwenasik tupkwan pemiaq ta'n amko'tasik wjit te's tela'taqatijik

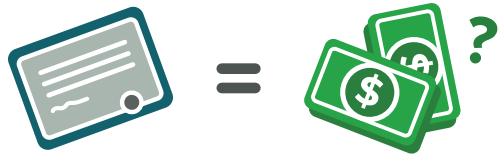
WEN KISI LUKWATEW ELUKWASIK PROPONENT?

Na elukwasik proponent (kiswa elukwasik kisitoq) wiaqa'toq offset elukwasik wjit kisa'toq offset credits. Na offset program ikana'tasik ika'toq tplutaqn ta'n asite'tasit wjit ika'tn offset credits wjit ula system. Eykl offset system, kutey, ala'tn ta'n nuta'q ta'n kisitasik proponants mimajik kiswa weskunimin business wjit ta'n tett asite'tasik offset system.



KOQOWEY NET OFFSET ASITE'TASIK?

Offset na asite'tasik telte'tasik wjit "wejitasik" wjit offset eltasik. Ta'n tela'sik kisi suwa'tasik eltasik wjit koqowey aqq iknmasik teluwek tla'tiken wjit ta'n tela'tmk te'sik offset credits wejiaq ta'n kisitasik. Ta'n asite'tasik tplutaqn ta'n teli ika'tmk eltasik bseline (emission tmk ika'tasik poqjitasik, elt teli jijitasik "business-ta'n ki's telenenasik" teliankite'tmi'tij). Ula na ika'toql tplutaqn mawte'mi'tij aqq ankaptasik, aqq elt ankaptasik aqq ikana'toq eltasik kisi tla'sitew. Offset ta'n tela'sik eltu'tij ta'n te'sik ejikla'tasik aqq mena'tasik wjit offset eltasik conservation aqq mu ansami kitmi'tij ta'n tes'k.



KOQOWEY NET OFFSET CREDIT TEL-TEPOWTIK?

Ta'n te'sik offset credit piluwa'sik te's teli pije'k aqq ta'n ke's te'sk koqowey piluwa'toq:

Pekisitoq koqowey nuta'q aqq Amkmayu menuweket:

Ta'n telawtik offset credits wejiaq ta'n nuta'q aqq menuwaqtasik. Ta'n tujiw pukwelkl offset etek wjit amkmayu tla'sin. Ta'n telawtik nisa'sitew. Ta'n tujiw tek tele'jkl offset credits aqq pukwelkl menuwaqtasik, na telawtik wenaqa'sik. Ta'n tujiw ika'tasik GHG offset credits na ankaptasitew te'sik offset eltasik ika'tasitew credits, ta'n kisa'tew tekn offset ta'n tla'sitew teli nuta'q, ta'n te'sik ika'tasik offset, aqq ta'n menuweke'tij te'sik ika'tasin me' na'qek. Offset koqowey kisa'tasik elt poqjiaq ta'n teli ika'tasik aqq pekisitoq koqowey offset credits-misoqo pukwelkl newtipunkekl wjit kisa'tasin ula eltasik tlikn. Menuwekejik ula compliance tla'sin wejiaq ta'n koqowey elt ma'wt stringency kisa'toq siawitla'sin aqq telowtik piluwey emission ejikla'sik. Ta'n teluwet tla'tiken market wjit ta'n te'sik majuinu'k aqq business eltoq teluwek wjit kisa'toq emission aqq ta'n te'sik kejitasik ketu' tla'tiken teli wiaqa'lsin. Ula ta'n kisa'toq metuwe'k wjit ankaptasik tela'asik wjit koqowey nuta'q, amkayu teliaq, aqq telaowtik.

Compliance vs ta'n tujiw ki'l ketu' apoqnmin market:

Offset credit wejiaq system eliaq ta'n compliance market ta'n metui'sketoq najawtik mita kisi e'wasitew wjit wulteskmin regulations wjit emission ejikla'tasik. Offset eliaq ta'n wesuwa'tasik tuki'sketasin wjit naji wulawtukwen.

Ta'n teltek ika'tasik offset credit:

Eykl offset credit poqatelmi'tij, kutey ta'n te'sik ketu'lukwatu'tij, mekenmi'tij poqatelk wejiaq eltasik ika'toq ta'n wejapesit (kutey biodiversity kiswa wutan eltasik), na etek ta'n tett, kiswa weskunmin piluwey koqowey kutey teltek. Ula poqatelasik na kisi apankitew wjit offset credits wejiaq elukwasik.

Ta'n te'sik ula offset credits:

Ta'n te'sik wjit offset credit wjit ta'n wen eyk market ta'n tujiw kutukawyu tela'sik ta'n offset system melkiknaq tplutaqn wjit asite'tmin koqowey ankuwas'in ajelkin tela'sik.

Tplutaqn piluwey suwa'tsik ta'n mu kelu'knuk credits:

Jijuwaqa, na offset credit nmitasitew ta'n mu kelu'knuk ta'n tujiw kisi e'wasik. Ula na kisitla'sitew wjit credit ika'tasik ta'n mu tepqatenuk koqowey kiswa mita kelnasik carbon kne'k tewa'tasik. Program ikana'toq ta'n nuta'q ta'n mu kelu'knuk piluwey ika'tasik. Offset system nut'aq ta'n elukwasik proponent kiswa wen alsutk mu elukwenuk credit wjit piluwey ika'tasik. Etekl offset system elt pukwelkl weskun ta'n kisi ika'tasik piluwey mu elukwenuk credits ta'n tujiw koqowey tela'sik. Offset credits wejiaq system ta'n poqitelk mu tepqatenuk ta'n mestuwi'sketasik naji wulawtik mita me' atelk wjit wen poqatelk.

KOQOWEY NEY GHG OFFSET REGISTRY?

Reputable offset system ketoq panta'sik koqowey wjit nasiwi'kusit offset elukwasik aqq offset credits etek wjit msit wen. Na GHG offset registry apoqnmuwatl ta'n koqowey etek, ta'n kisis naiwi'kusit wjit elukwasik ika'tasik offset system, ta'n tujiw credit kisi tuwi'skasik, tlai credit kisi ika'tasik, aqq wen kisi e'wk credit.

Weskunimn koqowey ula teluwek ta'n msit wen kisi apoqnmteiw wjit GHG offset system na trasparenteiwik, ketlamsitasik aqq kisi apaja'tmk credit. Ta'n kisi liaq credit ta'n poqatelk na kisi nasiwi'kusitew ta'n wen nemitoq poqatelk ula tela'sik metuwi'skasik, kisna wejiaq piluway kisi poqatelk.

