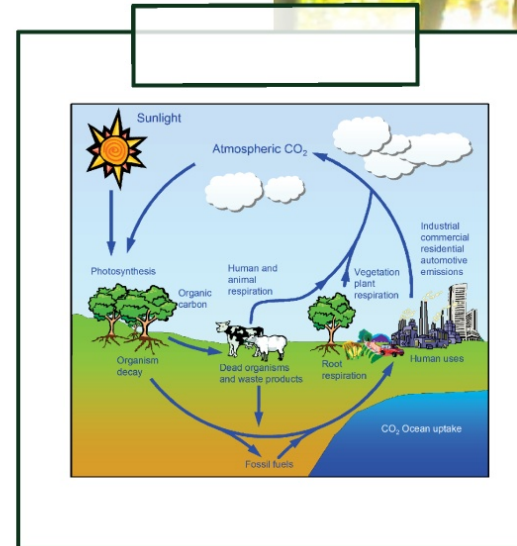


What is Carbon?

In the context of climate change, "carbon" is commonly used as a shorthand for carbon dioxide, the most important greenhouse gas released by humans.



Carbon
Footprint

Carbon
Offset

What is a Carbon Footprint?

When you use energy or products manufactured with fossil fuels you generate carbon dioxide and other greenhouse gas emissions (GHGs) that contribute to climate change.

The combination of emissions caused by your home, transportation, and daily life is known as your “carbon footprint”.

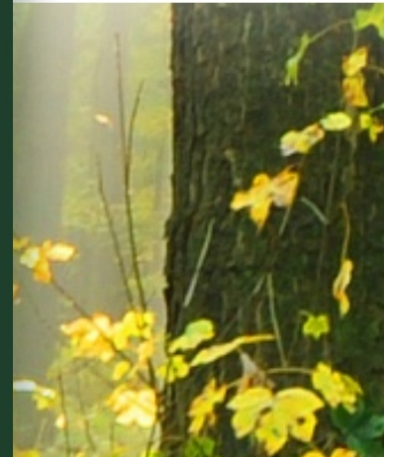
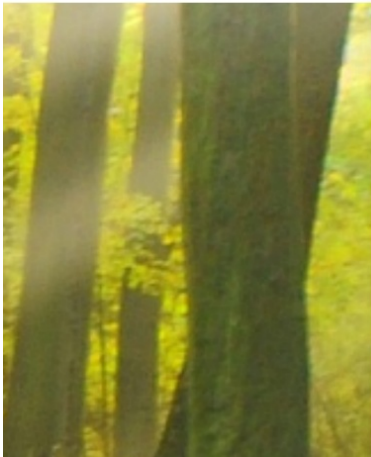


What is carbon offset?

A **carbon offset** is a reduction in emissions of carbon dioxide or greenhouse gases (GHGs) made in order to compensate for, or offset, an emission made elsewhere

A carbon offset is defined as a trade-able compliance instrument issued by the California Air Resources Board (CARB) that represents a GHG reduction or removal enhancement of **one (1) metric ton** of carbon dioxide equivalent (CO₂e).

It must be **measurable, quantifiable, permanent, verifiable, and enforceable.**



Carbon Markets

Voluntary

- International Air Transport Association
- Social Responsible Corporations (Google, Microsoft, Best Buy)

Compliance

- California Cap and Trade
- Ontario, CA Cap and Trade



Cap and
Trade

Voluntary
Carbon
Market

Carbon
Credit
Exchange



California Cap and Trade

Tribal Nations has expressed some concerns over the Compliance Market. Specifically, to enroll a project on the California Cap and Trade Marketplace:

- Enroll the project for at no less than 100 year duration
- Provide a Limited Waiver of Sovereign Immunity
- Sale of Carbon Credits generated by the tribal project are sold to potential industry that does not adhere to tribal goals i.e. oil & gas industry/ utilities

"Allows polluters to pollute"

Programs

California Cap and Trade Program

Tribal Projects

- Yurok Tribe
- Round Valley Indian Tribes
- White Mountain Apache
- Passamaquoddy Tribe
- Confederated Tribes of Warm Springs
- The Confederated Tribes of the Colville Reservation
- Mescalero Apache Tribe
- Chugach Alaska Corporation



Voluntary Carbon Market

'Socially Responsible Organizations' purchase emissions reductions for public relations or personal reasons. Buyers and sellers engage in transactions on a voluntary basis.

Generally buyers are businesses or individuals engaging for philanthropy, risk management, and/or in preparation for participation in a regulatory market.

Pricing per credit in this market fluctuates considerably.

Carbon Credit Exchange: Who Participates?

Buyers

In compliance market, buyers are industries required to meet emission standards.

Regulated industries purchase credits to help meet emission goals.

Industries allowed to use offset credits to meet only 8% of total emissions.

Project Developers

The entity authorized by seller to implement an offset project.

Carbon credit developers are businesses that seek to induce the interaction between the Offset Project Operator and the California ARB, and to line up a buyer.

Sellers

Sellers can be landowners, such as tribal nations, whose rangelands, wetlands, or forests sequester and store atmospheric carbon and offset climate change.





National Indian Carbon Coalition

Carbon

Markets

Registries

**Project
Steps**

**Tribal Land
Conservation
Initiative**

Offset Project Registries

A key component of the California Cap-and-Trade program provides for the creation of **Offset Project Registries**, which help the California Air Resources Board (ARB) administer the Compliance Offset Program.

Offset Project Registries need to meet specific regulatory criteria for approval. Registries help facilitate the listing, reporting, and verification of offset projects developed using the Compliance Offset Protocols, and issue registry offset credits.



Registries

Methodologies

Offset Carbon Registries

There are three approved Offset Project Registries:

- American Carbon Registry (ACR)
- Climate Action Reserve (CAR),
- VERRA





Methodologies

Technical processes used by project developers to quantify the greenhouse gas benefits of different project types.

All methodologies set out criteria to determine whether a particular project is eligible for generating emission offsets for sale on a carbon credit or other environmental value market.

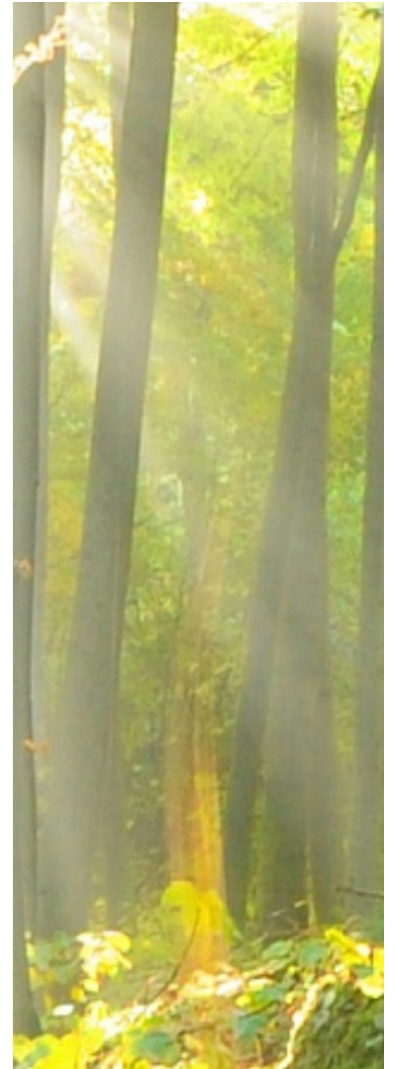
They set requirements for project developers to **determine project boundaries**, **set baselines**, and **assess additionality**.

Methodologies
used by NICC

Methodologies used by NICC

Agriculture, Forestry, Land Use

- Improved forest management (IFM) for non-federal U.S. forestlands
- Avoided conversion of grassland and shrublands to crop production
- Compost additions to grazed grasslands



Determining Economic Feasibility



Calculating the Dollar Value: How Much Carbon is Your Land Sequestering?

There are 2 main factors that determine the amount of returns of a project:

Natural Resource Density:
Sequestration rates are higher with denser resources.
(More carbon per acre)

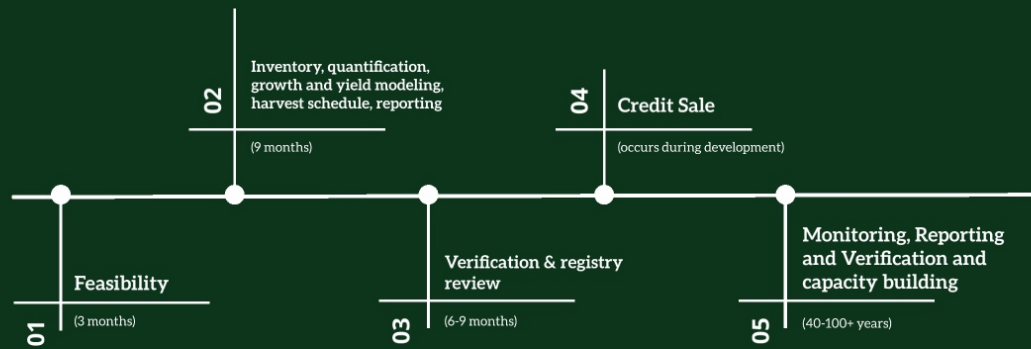
Land Area:
Defined within the project boundary.

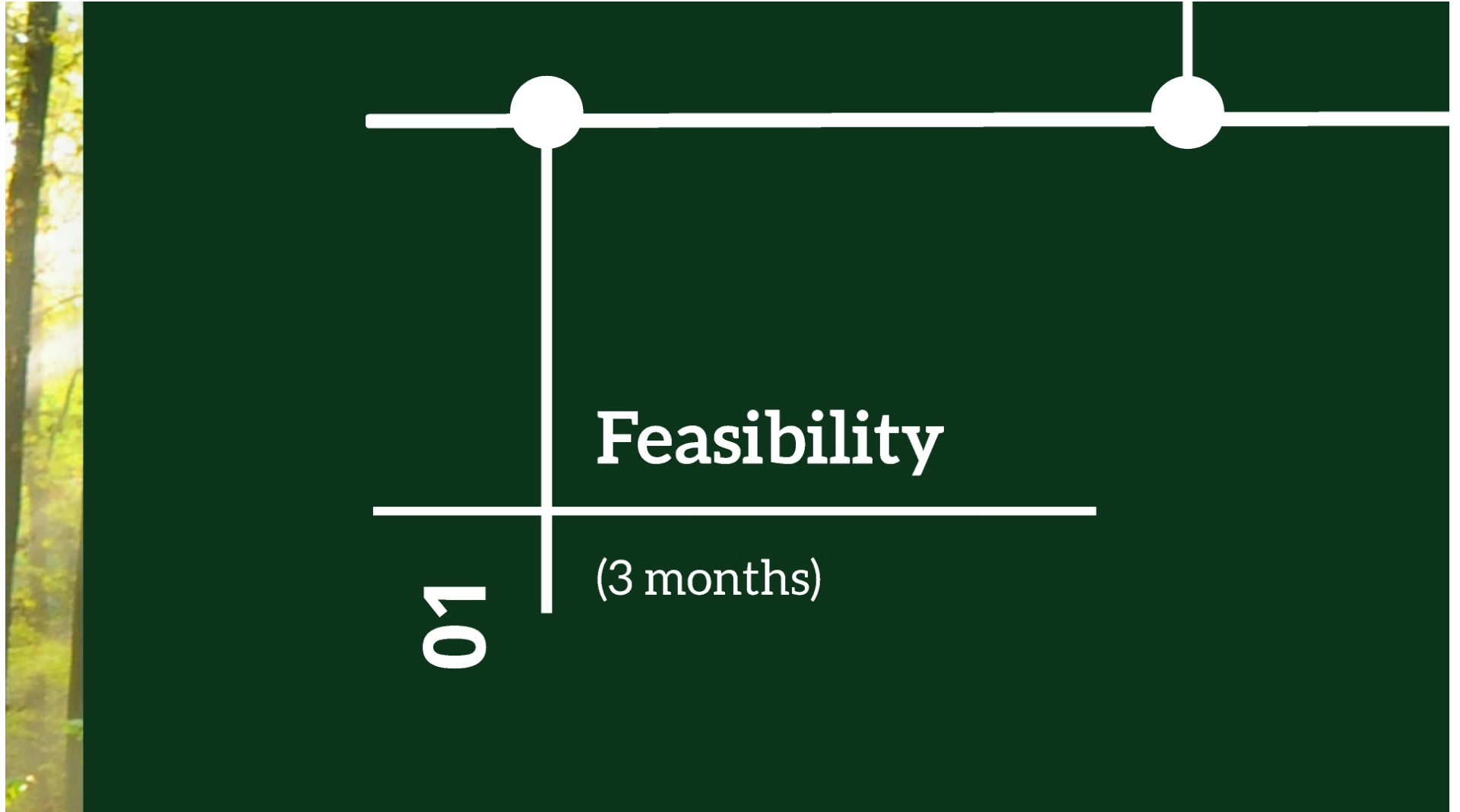
Emissions reduction rates are calculated from these two factors.

Minimum number of acres can be anywhere from the thousands to tens of thousands to create a viable project.

Steps

Project Steps





02

Inventory, quantification,
growth and yield modeling,
harvest schedule, reporting

(9 months)



03

**Verification & registry
review**

(6-9 months)

t,
ng,
ng

04

Credit Sale

(occurs during development)

Monitoring



Monitoring, Reporting and Verification and capacity building

05

(40-100+ years)

The Tribal Land Conservation Initiative

Protection. Preservation. Prosperity.

A partnership with The Nature Conservancy that helps tribes implement sustainable management practices, develop carbon projects and partner with socially responsible corporations – not irresponsible industrial polluters – to achieve financial security for the tribe.

The partnership enables tribes to sell carbon offsets on the voluntary market where companies make the choice to participate, not because they are compelled by regulations but because it is the right thing to do.

TLCI
Benefits

Featured
Projects

Cont.

Joint
Project

The Nature
Conservancy



Protecting nature. Preserving life.™



Tribal Land Conservation Initiative

National Indian Carbon Coalition (NICC) will be the Project Proponent on the Voluntary Market:

- NICC will contract with tribal entity for entire forty (40) duration of the carbon project
- NICC will cover upfront capital costs through a philanthropic "Revolving Development Fund" which does get reimbursed to NICC after first credit sale
- NICC will contract with all third party consultants
- Credits will not be sold for less than \$10 a credit
- Tribal entity would have some say as to which organizations would be able to purchase the carbon credits.



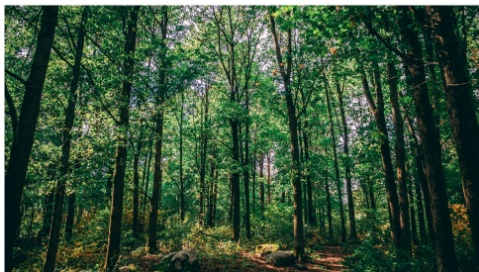
Fond du Lac Band of Lake Superior Chippewa

Forest Carbon Sequestration Project

Estimated Net Revenue to Fond du Lac:
Approximately \$5 million

Common Practice for all forested land, based on
compliance offset protocol: 77.1 MTCO₂e

FDL net project area: 8,197 acres



Keweenaw Bay Indian Community

Forest Carbon Sequestration Project

Estimated Net Revenue to Keweenaw Bay:
Approximately \$8 million

Common Practice for all forested land, based on
compliance offset protocol: 77.41 MTCO₂e/acre

Total forested acreage: 16,500 acres



A Joint Project

National Indian Carbon Coalition is a joint project of Indian Land Tenure Foundation and Intertribal Agriculture Council.



Indian Land Tenure
FOUNDATION.



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