

PEACE ENGINEERS

**THE TREATY FOR REGENERATIVE PEACE AND
HUMAN SOVEREIGNTY**

Volume III

Implementation Playbook

A practical guide for turning the PEACE Treaty into projects, hubs, metrics, and measurable abundance.

Prepared for leaders, tribal nations, states, cities, institutions, companies, investors, builders, and communities seeking to make peace practical.

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Publisher Notice and Drafting Status

This five-volume package is a first working edition of the PEACE Treaty framework. It is drafted for diplomatic, tribal, municipal, corporate, philanthropic, and technical review. It is not legal advice, does not create binding obligations until adopted by a competent signatory authority, and should be reviewed by counsel in each jurisdiction before use.

The framework is designed as an opt-in protocol treaty and multi-stakeholder compact. It can be adopted by nation-states, tribal nations and Indigenous governments, regional coalitions, municipalities, public agencies, corporations, universities, nonprofits, investors, and ReGen Hubs. The design intentionally uses incentives, open standards, transparent measurement, and self-enforcing economics rather than coercive global bureaucracy.

Technology performance claims, business-stage descriptions, energy-cost targets, and jurisdictional claims referenced from PEACE Ecosystem materials remain subject to independent technical, legal, financial, and scientific verification before any binding deployment decision.

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1. How to Use This Playbook

This playbook converts the Treaty from document to action. It is written for the people who have to make the first phone calls, convene the first meeting, create the baseline, choose the first projects, raise the first dollars, and publish the first transparent report.

The default implementation unit is a ReGen Hub serving a defined community, watershed, region, or coalition. The default team is a Peace Engineers chapter of 144 people organized into twelve realm teams of roughly twelve people. The default reporting rhythm is quarterly. The default posture is: build, measure, publish, improve.

2. The 100-Day Launch

Days	Actions	Outputs
1-10	Name convening authority; invite founding stakeholders; appoint interim steward team.	Launch memo, stakeholder map, meeting schedule.
11-20	Adopt interim charter; define community scope; select data lead and legal lead.	Adoption resolution, scope map, data protocol.
21-40	Run twelve-realm baseline; identify dependency chokepoints; conduct community listening.	Baseline dashboard, dependency map, listening report.
41-60	Select first 3-5 projects; estimate costs, revenue, grants, partners, and permits.	Project sheets, initial budget, risk register.
61-80	Secure commitments; create public registry page; launch training cohort.	MOUs, registry, first training calendar.
81-100	Publish Realm Transition Plan; file certification intent; hold public signing ceremony.	Transition Plan, certification filing, media package.

3. Baseline Diagnostics

Baseline diagnostics are the intelligence layer. A community cannot reduce dependency it has not mapped. The baseline should be humble, fast, transparent, and good enough to guide first action. Precision improves over time.

Diagnostic Step	What to Ask	Evidence
Boundary	What community, watershed, facility, or coalition is being measured?	Map, population, infrastructure inventory.

Diagnostic Step	What to Ask	Evidence
Demand	What does the community actually need in each realm?	Utility data, bills, surveys, interviews, public records.
Local Output	What is already produced locally or regeneratively?	Generation data, food production, water sources, local businesses.
Dependency	Where are the chokepoints?	Import lists, fuel contracts, shipping routes, monopolies, debt exposure.
Vitality	How are health, dignity, and freedom experienced?	Surveys, health data, public participation, debt burden, culture indicators.
Opportunity	Which intervention reduces the most dependency per dollar?	Project scoring matrix.

4. ReGen Hub Formation

A ReGen Hub is not merely a building. It is a regional operating system. It should eventually host training, manufacturing or repair, data collection, demonstrations, public meetings, emergency resilience capacity, and community finance coordination.

Hub Function	Minimum Viable Version	Mature Version
Governance	Steward circle and public meeting rhythm.	Multi-stakeholder council with Indigenous, youth, technical, and public seats.
Training	First cohort of Peace Engineer cadets.	Continuous certification pipeline: Cadet, Steward, Architect.
Manufacturing	Repair bench, tools, maker space.	Basalt, energy, shelter, water, food, and mobility production capacity as appropriate.
Data	Spreadsheet baseline and public registry page.	Secure data trust, API feeds, dashboards, independent audits.
Demonstration	One visible realm project.	Integrated campus demonstrating all twelve realms.
Finance	Grant list and donor table.	Peace Infrastructure Fund, revenue-sharing, procurement, and community equity stack.

5. Twelve Realm Project Design

Every Treaty project should be designed with a realm lens and a system lens. A good energy project should improve water, food, health, economics, and governance. A good waste project should improve food, manufacturing, education, and local jobs. The trick is not to build twelve silos. The trick is to build twelve mutually reinforcing loops.

I. Energy

Primary metric: Energy Autonomy Ratio (EAR). Initial formula: Local clean generation / total demand.

Implementation intent: End fuel dependency and make energy abundance the upstream driver of all other realms.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

II. Water

Primary metric: Water Sovereignty Index (WSI). Initial formula: Locally harvested or regenerated water / consumed water.

Implementation intent: Make watersheds resilient through harvesting, reuse, restoration, and clean distribution.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

III. Food

Primary metric: Local Nutrition Ratio (LNR). Initial formula: Local regenerative nutrition / nutritional need.

Implementation intent: Shift from calories as commodities to nourishment as local resilience.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.

First Project Examples	Cross-Realm Effects
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

IV. Health

Primary metric: Wellness Autonomy Index (WAI). Initial formula: Preventive and local care capacity / health need.

Implementation intent: Build community health that lowers crisis dependency and improves vitality.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

V. Shelter

Primary metric: Housing Integrity Score (HIS). Initial formula: Safe regenerative shelter / household need.

Implementation intent: Make shelter durable, efficient, affordable, non-toxic, and locally maintainable.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

VI. Waste

Primary metric: Circularity Index (CI). Initial formula: Materials reused, repaired, composted, or regenerated / total material throughput.

Implementation intent: End the concept of away by turning outputs into inputs.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.

First Project Examples	Cross-Realm Effects
Workforce pathway	Links education, manufacturing, and economic sovereignty.

VII. Education

Primary metric: Knowledge Liberation Index (KLI). Initial formula: Applied useful knowledge / knowledge consumed.

Implementation intent: Convert education into actual capability, systems literacy, and practical skill.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

VIII. Communication

Primary metric: Free Flow Ratio (FFR). Initial formula: Open truthful signal flow / total information dependency.

Implementation intent: Protect sovereign communication, open knowledge, and resilient mesh coordination.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

IX. Transportation

Primary metric: Mobility Autonomy Factor (MAF). Initial formula: Local clean mobility capacity / mobility need.

Implementation intent: Move people and goods without binding communities to extractive fuel or fragile logistics.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education,

First Project Examples	Cross-Realm Effects
	and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

X. Manufacturing

Primary metric: Regenerative Production Ratio (RPR). Initial formula: Local regenerative production / imported productive dependency.

Implementation intent: Restore local making, repair, tool ownership, and circular manufacturing capacity.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

XI. Economics

Primary metric: Abundance Flow Index (AFI). Initial formula: Commons-backed productive flow / debt-extractive flow.

Implementation intent: Make money, credit, and ownership serve life, resilience, and sovereign production.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

XII. Governance

Primary metric: Justice Coherence Index (JCI). Initial formula: Transparent responsive decision capacity / governance burden.

Implementation intent: Make governance participatory, accountable, lawful, transparent, and repair-oriented.

First Project Examples	Cross-Realm Effects
Baseline audit and dashboard	Creates transparency for economics, education, and governance.
Local demonstration project	Builds trust, training, and visible proof.
Workforce pathway	Links education, manufacturing, and economic sovereignty.

6. Peace Engineer Chapter Operations

The chapter is the human engine. The default chapter is 144 members, organized into twelve realm teams of approximately twelve. It is small enough to remain accountable and large enough to contain real skill diversity.

Role	Responsibility
Cadet	Learns basics, joins realm team, helps with data collection and public workdays.
Steward	Leads one project stream, keeps documentation, coordinates safety and community benefit.
Architect	Designs integrated realm systems, mentors teams, supports governance and finance.
Keystone Coordinator	Aggregates metrics, resolves cross-realm conflicts, protects coherence without becoming a boss.
Community Witness	Ensures lived experience, cultural concerns, and practical needs stay visible.

7. Finance Stack

Peace finance should reward reduced dependency, local ownership, and measurable vitality. It should avoid trapping communities in debt or extracting value from the very places it claims to regenerate.

Capital Source	Best Use	Guardrail
Grants and philanthropy	Baselines, convening, pilots, training, predevelopment.	No funder control over community voice.
Public finance	Infrastructure, workforce, emergency resilience, public goods.	Transparent procurement and public benefit covenants.
Community investment	Local ownership of revenue-producing assets.	Plain-language terms and risk disclosure.
Revenue sharing	Energy, water, manufacturing,	Caps on extractive returns;

Capital Source	Best Use	Guardrail
	and data services.	affordability protections.
Corporate partnerships	Technology, manufacturing, procurement, supply chains.	Open standards and anti-monopoly clauses.
Peace Infrastructure Fund	Portfolio-level financing across ReGen Hubs.	Independent audits and realm-level reporting.

8. Quarterly Reporting and Certification

The quarterly report is where trust compounds. Keep it simple, public, and repeatable. Report the facts, including failures. A public failure corrected honestly builds more confidence than a perfect story with no receipts.

Report Section	Required Content
Executive Snapshot	What changed this quarter, what improved, what failed, what happens next.
Pe and CVI	Current values, trend, data confidence, and methods.
Realm Updates	Twelve short updates with projects, metrics, spending, and community effects.
Finance	Sources, uses, contracts, ownership, grants, debt, revenue, and conflicts.
Governance	Decisions made, meetings held, participation, disputes, and corrections.
Next Quarter	Actions, responsible parties, deadlines, risks, and support needed.

9. Risk Management

Risk	Mitigation
Overpromising technology	Use verified/pilot/frontier categories and independent technical review.
Community fatigue	Start with visible wins, pay local labor, keep meetings useful.
Political opposition	Frame as local resilience, cost savings, emergency readiness, and community benefit.
Data gaps	Use confidence levels and improve over time rather than delaying action.
Capture by elites	Transparent procurement, public reports,

Risk	Mitigation
	rotating roles, and conflict disclosures.
Legal uncertainty	Use counsel, phased MOUs, non-binding pilots, and clear consent protocols.
Financial strain	Match capital to project stage; avoid expensive debt before revenue exists.

10. Templates and Checklists

The following checklist can be copied into every pilot folder.

- Signed adoption resolution or MOU
- Community boundary map
- Stakeholder list
- Twelve-realm baseline
- Initial Pe and CVI estimate
- Project scoring matrix
- Risk register
- Finance plan
- Procurement plan
- Training calendar
- Public registry page
- Quarterly report template
- Certification tier target
- Legal review memo
- Community consent record

References and Source Notes

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