



# A Regional Safety Net

A sovereign strategic framework for SphereX's proposed **GY-TT-SR-JA Regional Reserve Framework**

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# Key Insights at a Glance

## Immediate Priority

Guyana requires an emergency-capable regional reserve mechanism — not continued dependence on fragmented private replenishment cycles.

## SphereX Recommendation

A **GY-TT-SR-JA Regional Reserve Framework** as the principal government-to-government platform for immediate crisis management.

## Immediate Anchor

The **Tactical Regional Bridge** is the first operational expression of the framework, enabling near-term access to regional buffer stocks.

## Strategic Outcome

A properly structured regional reserve system strengthens supply continuity, reduces distressed procurement exposure, and improves energy resilience.

# Executive Abstract: A Decisive Stress Window

Guyana's fuel-security position has entered a critical convergence of pressures. Three simultaneous forces are reshaping the country's energy-security calculus.

## Brent Crude

Above **US\$90 per barrel**, elevating procurement costs across the region.

## Import Cost Surge

A reported **38.5% increase** in fuel import costs, confirming a material vulnerability.

## Geopolitical Risk

Escalating Middle East volatility, including **disruption risk in the Strait of Hormuz**.

This is not merely a pricing event. It is a **sovereign supply-chain-security issue** with direct implications for inflation management, industrial continuity, fiscal stability, and national resilience.



# The Strategic Framework

## The Core Problem


Guyana remains exposed through private inventory dependence, just-in-time replenishment, and the absence of a meaningful sovereign reserve buffer.

Brent above US\$90, a 38.5% import-cost increase, Middle East instability, and Strait of Hormuz exposure materially strengthen the case for intervention.

## The SphereX Solution

The proposed **GY-TT-SR-JA Framework** converts regional storage and refining infrastructure into a coordinated sovereign buffer system — a state-level, inter-governmental response mechanism.

The objective: convert regional storage access into a **rapid-response energy security system** through sovereign coordination between Guyana, Trinidad & Tobago, Suriname, and Jamaica.

 GY = Guyana | TT = Trinidad & Tobago | SR = Suriname | JA = Jamaica

# Regional Reserve Capacity: The Four-State Shield

Territory	Reserve Capacity	Duration	Key Infrastructure
Trinidad & Tobago	~2.5 Million Barrels	~14 Weeks	Mature Paria infrastructure at Pointe-a-Pierre. Domestic consumption: ~25.5k bpd.
Suriname	~300k–500k Barrels (Est.)	~3–4 Weeks	Staatsolie refinery (~15k bpd), active onshore crude processing. Domestic consumption: ~14,000 bpd.
Jamaica	~1.5M Barrels	~2–3 Weeks	Petrojam Refinery (35k bpd). Domestic consumption: ~50,000 bpd.
Guyana	~0 (National) / Private Only	~3 Weeks	Primary Regional Crude Source. Surplus crude production exceeds 600,000 bpd. Domestic consumption: ~22,000 bpd.
<b>Total Regional Shield</b>	<b>~11.2 Million Barrels</b>	<b>~90 Days</b>	Comprehensive four-state shield. Total regional demand: ~124,000 bpd.

# Reserve Benchmarks & Regional Synergy

## 3M

### Immediate Buffer

~3.0 million barrels providing roughly **24 days** of regional coverage — the near-term operational floor.

## 11.2M

### Strategic Shield

~11.2 million barrels representing the **90-day sovereign shield** — the strategic benchmark target.

## 124K

### Regional Demand (bpd)

Total combined daily consumption across all four partner states driving the reserve sizing logic.

## 600K+

### Guyana Crude Surplus (bpd)

Guyana's surplus crude production creates feedstock optionality for regional refining integration.

Trinidad & Tobago anchors storage capacity; Suriname and Jamaica add refining depth; Guyana's crude surplus supports a regional **production-refining-storage loop**.

# Tactical Bridge & Execution Mechanisms

The **Tactical Regional Bridge** is the fastest executable response tool within the framework, providing immediate operational capability while the full sovereign shield is constructed.



## **Inter-Governmental Storage Access**

Sovereign agreements enabling Guyana to draw on partner-state storage facilities under pre-negotiated terms.



## **Swaps & Line-Fill Support**

Structured product swaps and line-fill arrangements to bridge supply gaps without distressed market procurement.



## **Pre-Arranged Drawdown Protocols**

Defined trigger mechanisms and inventory monitoring systems enabling rapid, coordinated reserve activation.

# Medium-to-Long-Term Energy Architecture

Beyond the Tactical Bridge, Guyana's broader energy-security architecture is already defined within the national masterplan — providing the sovereign foundation for long-run resilience.



These national anchors — twin gas pipelines, the NGL power plant, hydropower, and consideration of refinery development subject to feasibility studies and/or a national reserve — constitute the medium-to-long-term sovereignty layer complementing the regional framework.

# Governance & Financing Requirements

Execution of the GY-TT-SR-JA Framework requires a structured governance architecture. SphereX identifies five critical enablers for operationalizing the sovereign reserve system.

**1**

## **Sovereign Authority**

State-level mandates and inter-governmental agreements formalizing the reserve framework across all four partner states.

**2**

## **Trigger Mechanisms**

Pre-defined price, supply, and geopolitical thresholds that automatically activate drawdown protocols.

**3**

## **Inventory Monitoring**

Real-time tracking of reserve levels across partner-state storage facilities to ensure readiness.

**4**

## **Working Capital Support**

Financing mechanisms to fund reserve acquisition, storage costs, and operational logistics.

**5**

## **Reserve Buildout Planning**

A phased roadmap from the immediate 3.0M barrel buffer to the full 11.2M barrel, 90-day sovereign shield.

# Conclusion: The Immediate State-Level Action Case

## Private Cycles Are Insufficient

Guyana cannot rely solely on private replenishment cycles in a US\$90+ oil environment.


## Vulnerability Confirmed

The 38.5% import-cost spike confirms a material energy-security vulnerability requiring sovereign action.

## Coordination Is Essential

Middle East instability materially strengthens the case for sovereign regional coordination now.

SphereX proposes the **GY-TT-SR-JA Regional Reserve Framework** as the immediate government-to-government energy security mechanism best suited to the present environment — with the **Tactical Regional Bridge** as the short-term execution tool and Guyana's national masterplan as the medium-to-long-term foundation. SphereX remains committed to providing the economic and market intelligence required to convert this urgency into executable strategy.

 **Disclaimer:** Statistics and projections are based on publicly available data and SphereX's internal modeling. Information is subject to validation as new official data becomes available.

# About SphereX & the Author

*SphereX Strategic Brief | Joel Bhagwandin, Executive Director*

## About the Author

- Joel Bhagwandin, Executive Director
- SphereX Professional Services Inc.
- [jbhagwandin@spherexgy.com](mailto:jbhagwandin@spherexgy.com)

## About SphereX

- Specialized finance and capital advisory firm, Georgetown, Guyana.
- AI-powered solutions across finance, economics, investment advisory, operations, and digital transformation.
- Founded 2022. Serving private enterprises, public institutions, and global investors in frontier markets.



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