MCP SERVER | NO CODE | CLOUD HOSTED

# NYC City Finance (OMB) MCP

## Pull real-time NYC budget and energy data into your AI agent.

NYC City Finance (OMB) MCP gives your AI client direct access to New York City Office of the Mayor's Budget records. You can query expense budget lines by fiscal year, rank agencies by their adopted budgets, pull capital commitment plans, and check citywide energy cost projections through a single connection. No API keys or manual data scraping required.

A+ Quality Score 98.33/100

new-york | nyc | budget | omb | expense | capital

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vinkius.com/en/ai-agent-connect/nyc-city-finance-omb

SCAN TO VIEW

# The connectivity layer between AI and the world's software.

Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

# Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

> *The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.*
>
> — Architecture principle

## Four Pillars of the Vinkius Runtime

**01 — Security by design**

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

**02 — Built on MCP Fusion**

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

**03 — Deterministic observability**

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

**04 — Autonomous operations**

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

| AES-256 | Ed25519 | 24h TTL | V8 Isolate |
|---|---|---|---|
| Encryption at rest | PKI vault signatures | Ephemeral session keys | Sandboxed execution |

## One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

```
https://edge.vinkius.com/{token}/mcp
```

Claude · Cursor · VS Code · Windsurf · Grok · Gemini

## Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

**01 — Ed25519 PKI Vault**

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

**02 — V8 Isolate Sandboxing**

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

**03 — SSRF Guard**

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

**04 — DLP & PII Redaction**

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

**05 — Cryptographic Audit Trail**

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

**06 — Honeytoken Trap System**

Phantom credentials are injected into isolated environments. If a honeytoken is used outside Vinkius infrastructure, the server is quarantined instantly.

# Emergency Kill Switch

EU AI Act Art. 14(1) Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

**01 — Server deactivated**

The MCP server is immediately taken offline across the entire cluster.

**02 — All tokens revoked**

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

**03 — WebSocket connections killed**

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

## Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

**Control Plane**

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

**Agent Activity**

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

**FinOps**

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

**Tool Health**

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

**Firewall & DLP**

PII redaction activity, sensitive data protection counters, and security event timeline.

**Incident Log**

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

> Get started at **cloud.vinkius.com** — connect your AI agent in under 60 seconds.

# NYC City Finance (OMB) MCP

6 tools available
Cloud-hosted on Vinkius

You can now query New York City's financial records using natural language. This MCP connects your AI client to the Office of the Mayor's Budget (OMB) data, allowing you to bypass manual searches on city portals. Whether you are analyzing agency spending or projecting future energy costs, your agent can pull specific budget lines, appropriation details, and capital project funding directly into your conversation.

For fiscal year data, the tool covers 2024 through 2027, with 2026 acting as the default. You can filter expense budgets by agency, appropriation, or object class using case-insensitive matches. If you need to look at long-term infrastructure, the capital budget and commitment plan tools provide project-level details, including funding sources and yearly amounts. For energy planning, the tool provides commodity-specific projections from 2020 through 2030. Vinkius hosts this MCP, so you just connect your client and start asking questions about NYC's money.

## Core Capabilities

**01 — Budget Line Retrieval**

Your agent pulls specific appropriation and object class details from the expense budget.

**02 — Agency Ranking**

The AI identifies which city agencies hold the highest budget allocations.

**03 — Capital Project Auditing**

Your agent searches for specific infrastructure projects and their funding sources.

**04 — Energy Forecasting**

The AI accesses decade-long projections for citywide energy commodity costs.

**05 — Data Volume Estimation**

Your agent checks the number of budget lines to manage the scope of a query.

## One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/en/ai-agent-connect/nyc-city-finance-omb** — connect your AI agent in three steps.

01 Subscribe to the NYC City Finance (OMB) MCP on Vinkius.

02 Connect your preferred client like Claude, Cursor, or Windsurf with one click.

03 Ask your AI agent a question about NYC budgets or energy costs.

04 The agent invokes the specific tool needed to fetch the data.

05 The data is returned directly to your chat interface for analysis.

Connecting to this MCP is a one-time setup that gives your AI client immediate access to NYC financial tools.

## Built For

This MCP is built for professionals who need to interact with NYC municipal financial data without navigating complex web portals.

**Fiscal Policy Researchers**

They hand off the task of querying specific budget lines and agency totals to their AI agent.

**Agency Cost Analysts**

They use the tool to compare appropriation amounts and object class spending across different years.

**Energy Planners**

They rely on the AI to pull commodity cost projections for long-term municipal planning.

## What Changes When You Connect

01 Eliminates the need for manual API key management or complex web scraping.

02 Provides direct access to OMB expense and capital budget records.

03 Supports case-insensitive filtering for agency and appropriation names.

04 Delivers sorted budget data, placing the largest expenditures at the top of the list.

# Real-World Applications

**Agency Spending Analysis**

Compare the adopted budget of the Department of Education against other major agencies for a specific fiscal year.

**Infrastructure Planning**

Search the capital commitment plan to find how much funding is allocated to specific project types over a five-year period.

**Energy Budgeting**

Retrieve projected costs for Gasoline or Fuel Oil to assist in municipal energy expenditure forecasting.

**Budget Volume Checks**

Use the line count tool to see how many budget entries exist for a year before performing a deep search.

# Patterns to Avoid

### Blindly searching large datasets

AVOID

You ask your agent to find every single budget line for the 2025 fiscal year without checking the volume first.

✓ INSTEAD

Run `count_expense_budget_lines` first to see how many entries you are dealing with so you can narrow your search scope.

### Vague capital project queries

AVOID

You ask for all infrastructure projects in the city to see what is happening with construction.

✓ INSTEAD

Use `search_capital_commitment` with specific free-text filters to find the exact project details and yearly funding you need.

### Unsorted budget scanning

AVOID

You try to manually find the biggest spenders by looking through a long list of agency appropriations.

✓ INSTEAD

Use `search_expense_budget` to get results automatically sorted by the largest adopted budget amounts.

## The Right Fit

Connect this MCP if your work requires real-time NYC municipal spending data or long-term energy forecasting. Do not connect it if you only need general economic indicators or data from cities outside of New York. The decision rests on whether you need to query specific OMB budget lines directly through your AI client.

# NYC OMB Financial Data and Budgeting Tools

This MCP provides direct access to NYC expense budgets, capital project funding, and energy cost projections.

| # | TOOL | DESCRIPTION |
|---|---|---|
| 01 | `count_expense_budget_lines` | This tool counts the number of expense budget lines for a specific fiscal year. Use it to estimate the size of a budget dataset before running a larger search. |
| 02 | `get_energy_cost_projections` | This tool retrieves citywide energy cost projections for commodities like Gasoline, Fuel Oil, or Heat, Light & Power. It covers fiscal years 2020 through 2030. |
| 03 | `search_capital_budget` | This tool searches the NYC OMB capital budget for specific projects. You can filter by project type, funding, or budget-line title using exact matches. |
| 04 | `search_capital_commitment` | This tool queries the NYC OMB capital commitment plan. It allows you to find project details and yearly funding amounts using free-text filters. |
| 05 | `search_expense_budget` | This tool searches the NYC OMB expense budget for specific agency or appropriation details. Results are sorted by the largest adopted budget amounts first. |
| 06 | `top_agency_budgets` | This tool identifies the NYC agencies with the largest adopted expense budgets for a given fiscal year. |

# See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

**U** Which NYC agencies have the largest expense budget in FY 2026?

top_agency_budgets with fiscal_year: "2026" returns the agencies ranked by their summed adopted budget amount for the fiscal year.

**U** Show me the education agency's expense budget lines for FY 2026.

search_expense_budget with agency_name: "Education" and fiscal_year: "2026" returns the matching budget lines sorted by the adopted amount, largest first.

**U** What is the projected gasoline cost for FY 2030?

get_energy_cost_projections with typ: "Gasoline" and fisc_yr: "2030" returns the citywide projected cost for that commodity and fiscal year.

# Frequently Asked Questions

01 **Do I need an API key to use this NYC budget data?**

No. This MCP provides keyless access to the NYC OMB records through the Vinkius platform.

02 **Which fiscal years are available for the expense budget?**

The expense budget data is published for fiscal years 2024 through 2027.

03 **How does the tool handle agency name searches?**

The tool uses case-insensitive partial matches for agency, appropriation, and object-class names.

04 **Can I see future energy cost projections?**

Yes. You can access citywide energy cost projections for various commodities through the year 2030.

05 **What happens if I don't specify a fiscal year?**

Most budget tools, including the expense budget and agency ranking tools, default to fiscal year 2026 if you omit it.

06 **Do I need an API key?**

No. NYC Open Data serves all public datasets anonymously over its SODA API (data.cityofnewyork.us). This MCP defines no credentials and needs nothing configured.

07 **Which fiscal years are published?**

The OMB expense budget publishes fiscal years 2024–2027; the tools default to FY 2026 when the fiscal year is omitted. The energy cost projections table runs fiscal years 2020–2030.

08 **Why do the budget tools pin a fiscal year?**

The expense budget holds several fiscal years in one table. Every search, count and ranking is scoped to one fiscal year — fiscal_year defaults to "2026" when omitted — so the query stays bounded and fast.

# Go Live in 60 Seconds

Get your connection token from **cloud.vinkius.com**, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

| CLIENT | WHERE TO CONFIGURE |
|---|---|
| Claude AI | Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint |
| Cursor | Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint |
| VS Code | Ctrl/Cmd+Shift+P → "MCP: Add Server" → add `"nyc-city-finance-omb": { "url": "…" }` |
| Windsurf | MCP Settings → `mcp_settings.json` → Add endpoint URL |
| ChatGPT | Settings → Tools & plugins → Add MCP server → Paste endpoint |
| Gemini | Extensions → Add MCP Server → Paste endpoint URL |

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

- Ask ChatGPT
- Ask Claude
- Ask Perplexity
- Ask Gemini
- Ask Grok

READY TO CONNECT

# NYC City Finance (OMB) is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and start building. No SDK. No deployment. Just results.

**Start at cloud.vinkius.com →**

vinkius.com · support@vinkius.com

## INDEPENDENT PLATFORM DISCLAIMER



## DOCUMENT INFORMATION

| | |
|---|---|
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| MCP Server | NYC City Finance (OMB) MCP |
| Server ID | `01a0dfcd-b193-707f-879c-8e7a02f53fa6` |
| Platform | Vinkius Cloud for AI Agents |
| Endpoint | `https://edge.vinkius.com/{token}/mcp` |

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