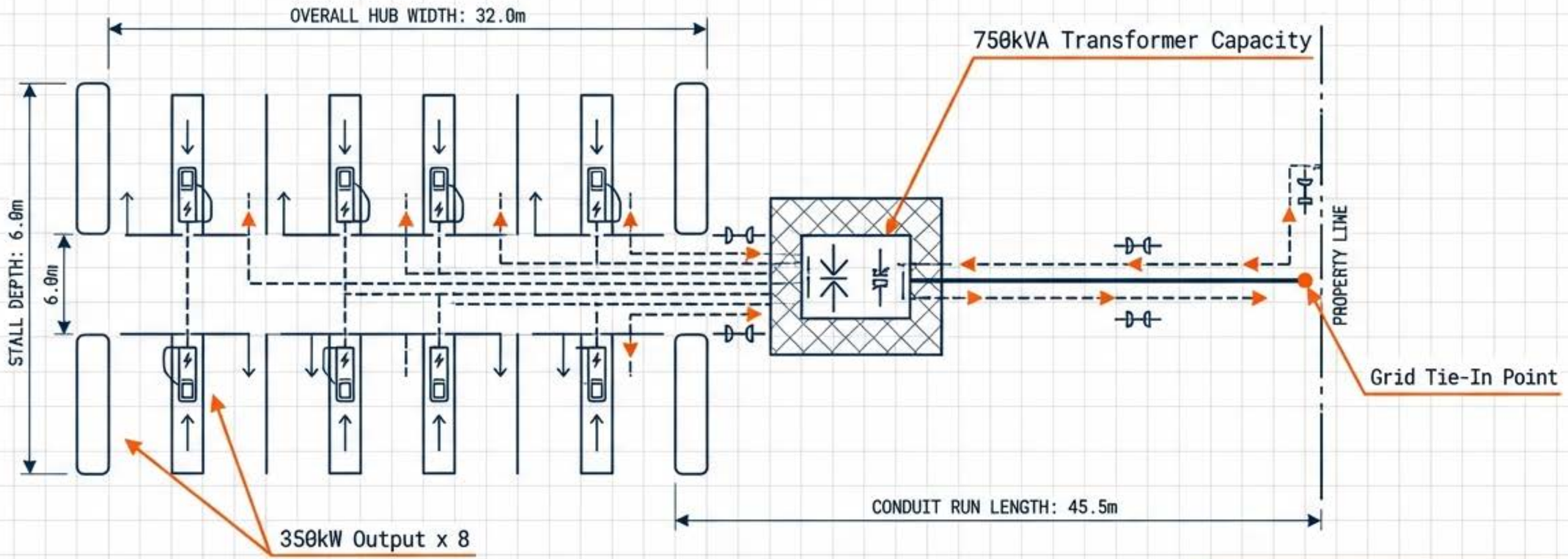
The Financial Framework: Engineering a Profitable EV Charging Network

A structural breakdown of the $2.65M launch requirement, the $35M liquidity buffer, and the critical path to Jan 2027 breakeven.



PROJECT STATUS:
PRE-CONSTRUCTION // PHASE:
FINANCIAL PLANNING

Executive Summary: The Financial Specifications

$2.65M

LAUNCH CAPITAL

Direct cash outlay required to break ground. Covers initial CAPEX ($2M), pre-opening OPEX ($150k), and site preparation.

[$2M CAPEX]

$35M

PEAK LIQUIDITY REQUIREMENT

Maximum cumulative cash buffer needed to sustain operations through the 'Valley of Death' until positive cash flow in Dec 2026.

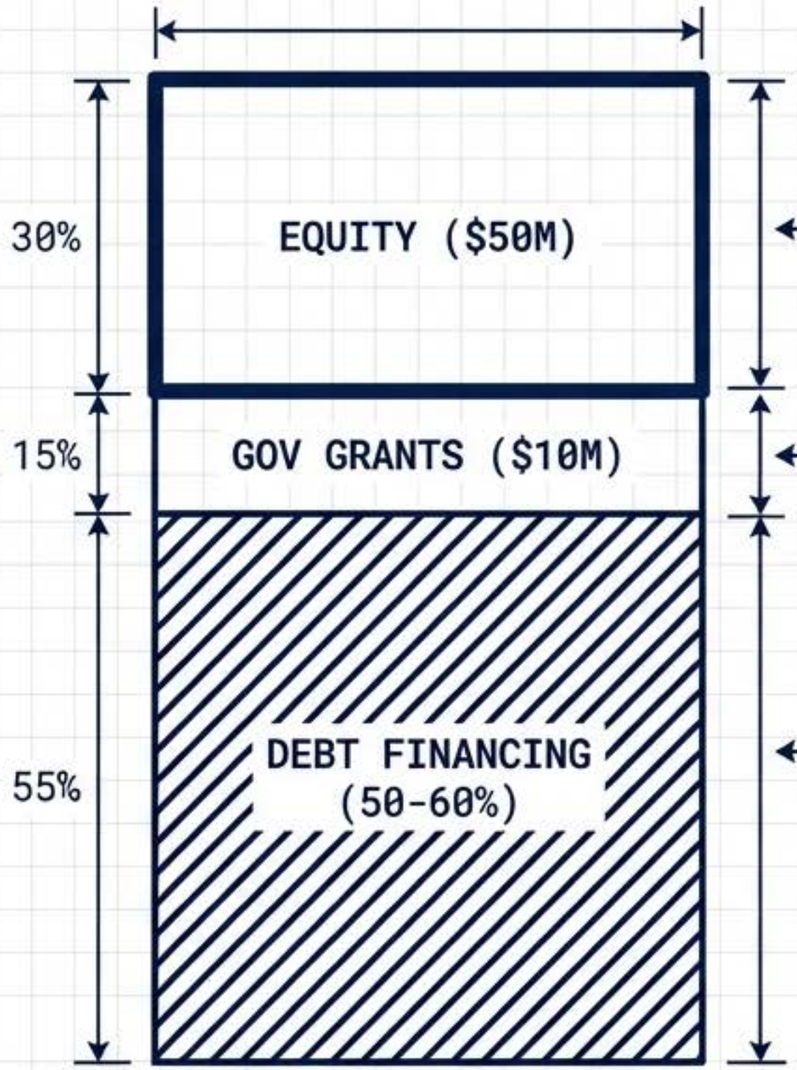
13 Months

TIME TO BREAKEVEN

Project timeline from land acquisition to profitability (Jan 2027). Supported by $105M revenue projection.

	DRAWING NO: FIN-ES-001	
PROJECT: FINANCIAL SPECIFICATION	SCALE: N.T.S.	DATE: OCT 26, 2023

Funding the $428M Asset Base: The Capital Stack



Tranche 1: Funds first 18-24 months of operational burn and secures high-traffic leases.

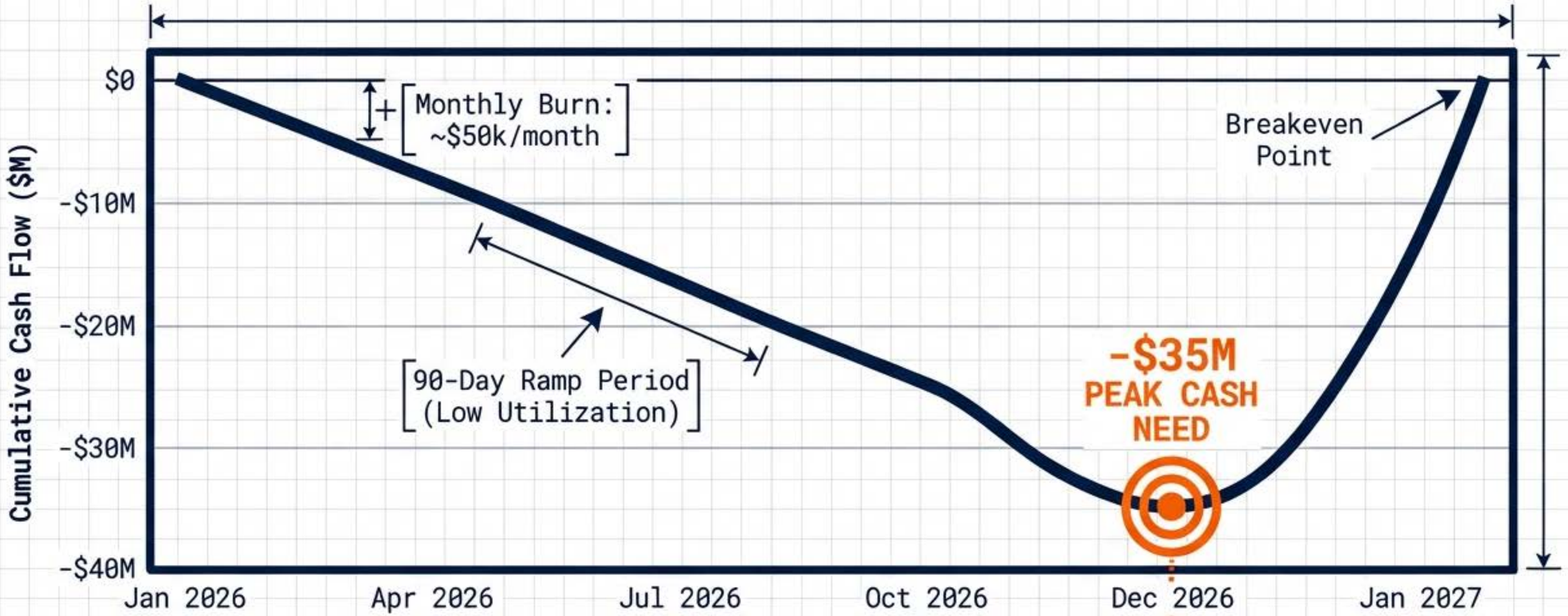
Incentives: Federal/State clean energy funds used to directly reduce debt load.

Collateralized: Hardware assets back the loan. **Covenants must allow for initial negative cash flow.** ⚠

TOTAL ASSET BASE: $428,000,000

PROJECT:	DRAWING NO:	SCALE:	DATE:
FINANCIAL SPECIFICATION	FIN-CS-001	N.T.S.	OCT

The 13-Month Runway and December 2026 Trough



NOTE: Every month shaved off the timeline saves capital.

PROJECT:	DRAWING NO:	SCALE:	DATE:
FINANCIAL SPECIFICATION	FIN-CS-003	N.T.S.	OCT

Structural Pillar 1: Hardware Procurement Strategy

BUDGET PARAMETERS

Total CapEx: $1.5M
(Hard Ceiling)

Deadline:
June 2026

Risk: Inventory holding costs if delivery outpaces site readiness.

[Do Not Ship Before Ready]

VOLUME EQUATION

$50k/unit =

30 Chargers

$75k/unit =

20 Chargers

Strategy: Negotiate bulk agreements for total network size, staggered delivery.

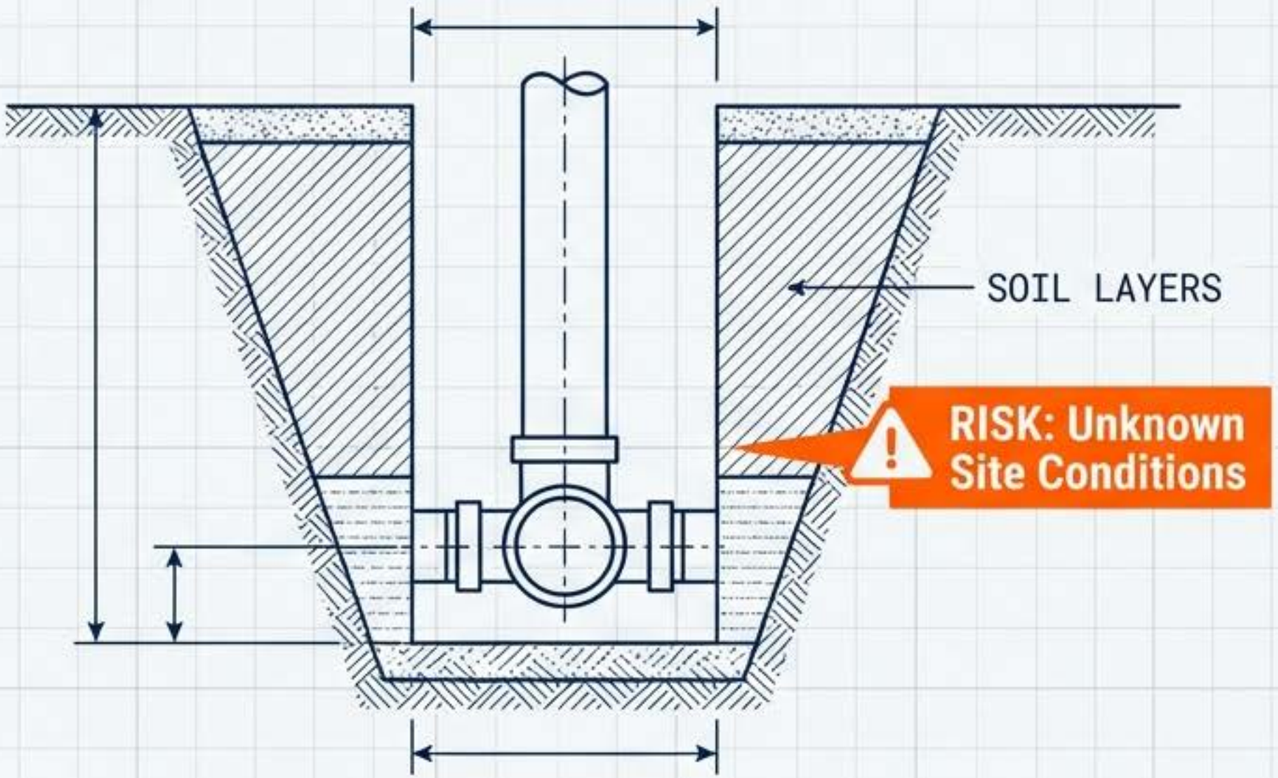
PROJECT:	DRAWING NO:	SCALE:	DATE:
FINANCIAL SPECIFICATION	FIN-CS-002	N.T.S.	OCT

Structural Pillar 2: Site Construction and Civil Works

SCOPE OF WORK ($1.0M)

- ☒ Civil Engineering Plans
- ☒ Trenching & Excavation
- ☒ Concrete Pads & Bollards

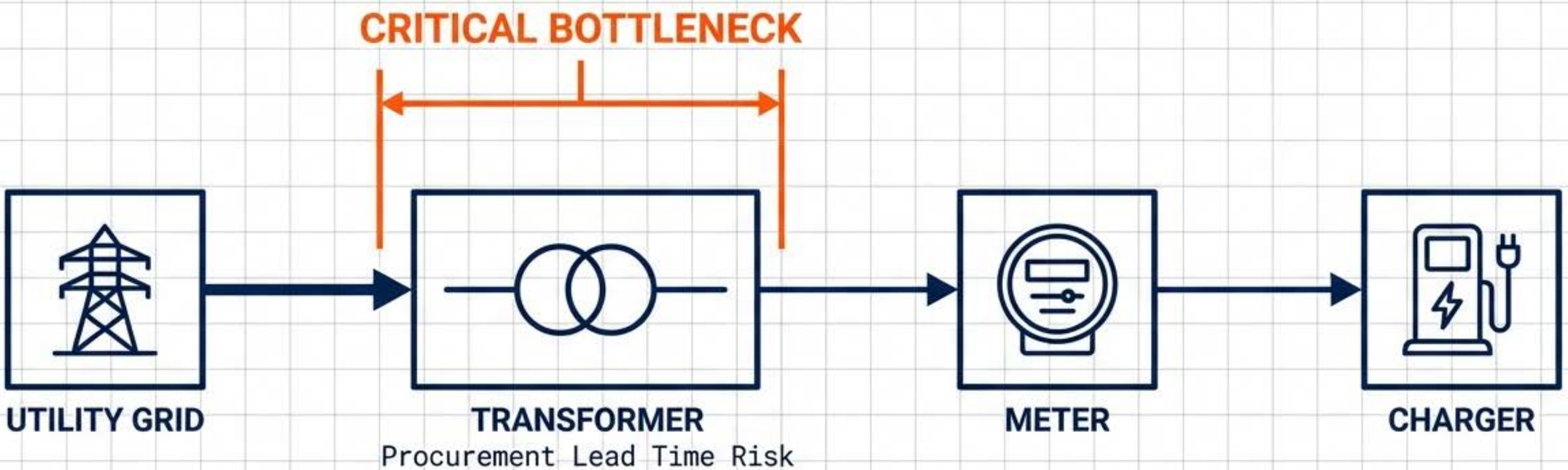
AUGUST 2026 (NON-NEGOTIABLE)



Variable soil conditions and permitting stalls can balloon costs. Fixed-price contracts required.

[PROJECT: FINANCIAL SPECIFICATION] [DRAWING NO: FIN-CS-003] [SCALE: N.T.S.] [DATE: OCT 26, 2023]

Structural Pillar 3: Grid Upgrades ($750k)

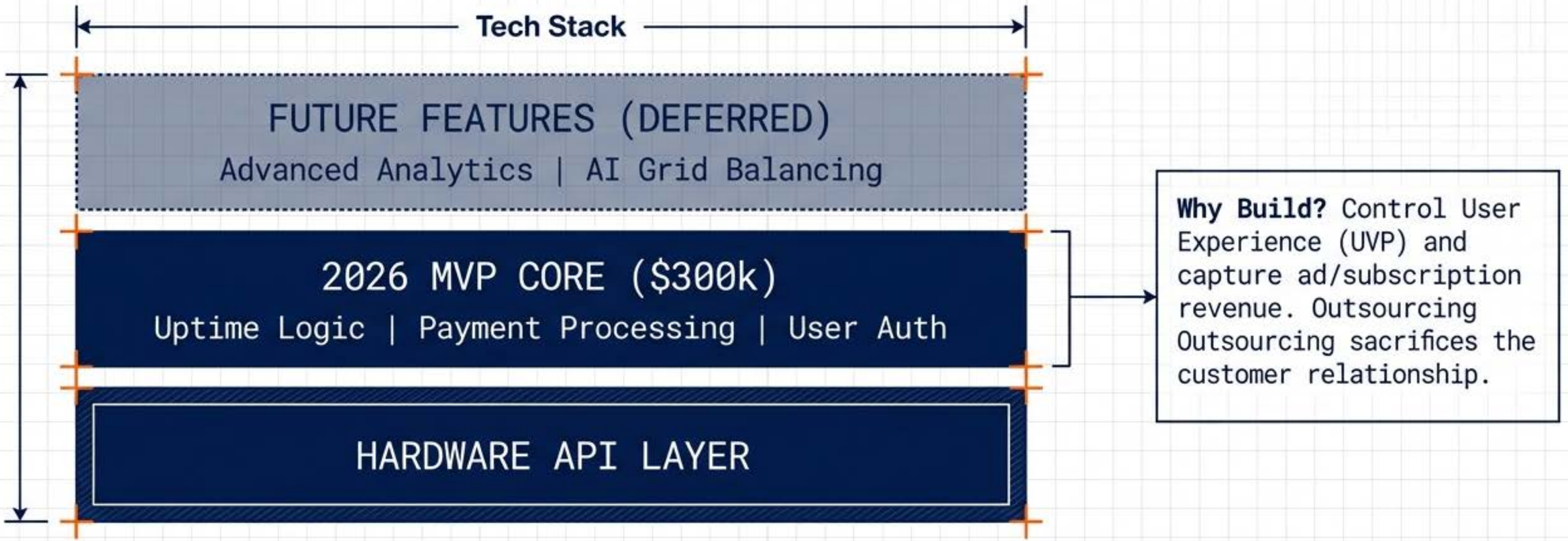


Deadline: September 2026. If utility lags, equipment sits idle.

BUDGET ALERT: A single Substation Upgrade requirement can destroy the budget for an entire cluster. Verify capacity early.

The Foundation: Securing Site Control

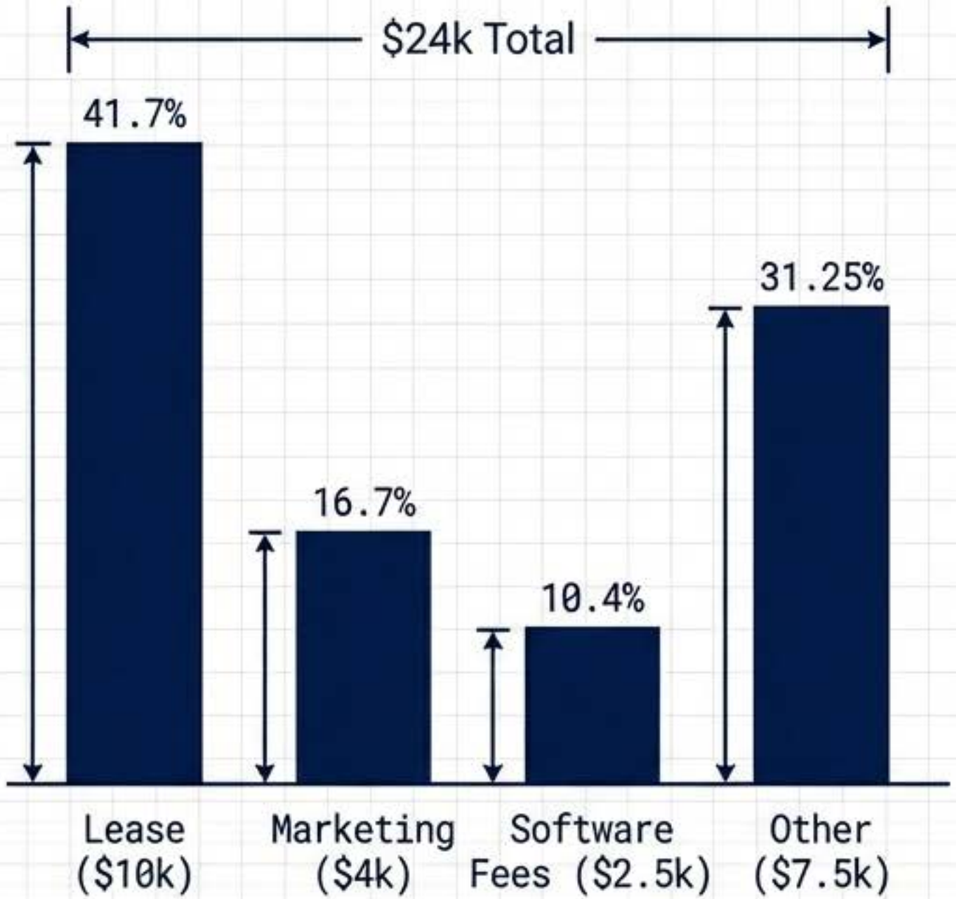
Operating Systems: Proprietary Software Architecture



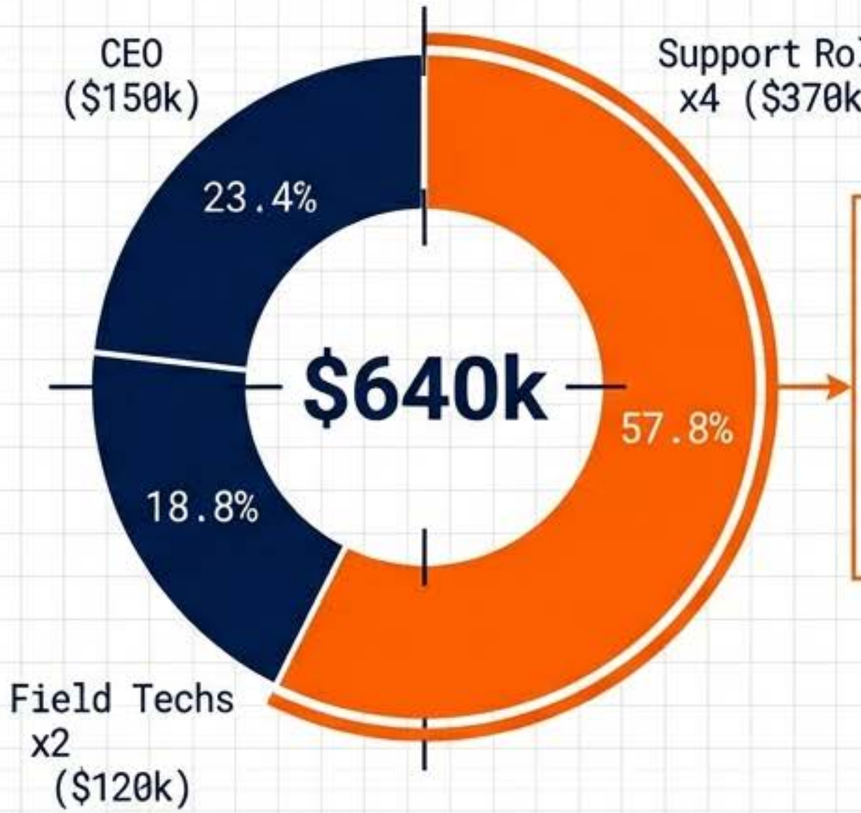
SCOPE CONTROL: Focus strictly on **Uptime + Payments** for 2026.

Controlling the Burn: OPEX and Payroll Phasing

MONTHLY FIXED OPEX ($24k)



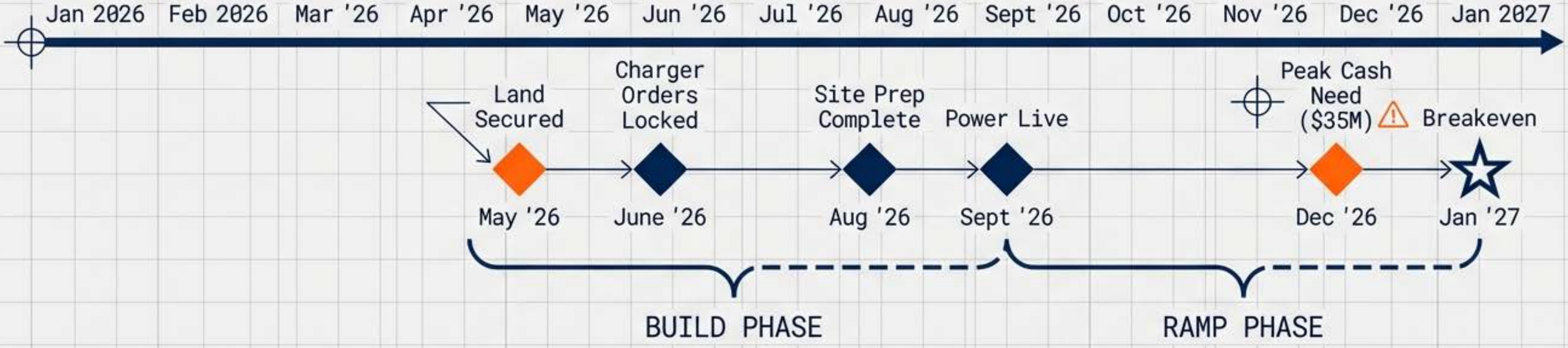
ANNUAL PAYROLL ($640k)



PHASING STRATEGY:
Delay hiring Support Roles until Q3 2026. Use contractors for software to reduce overhead.

[PROJECT: FINANCIAL SPECIFICATION] [DRAWING NO: FIN-CS-007] [SCALE: N.T.S.] [DATE: OCT 26, 2026]

The Critical Path: Timeline and Dependencies



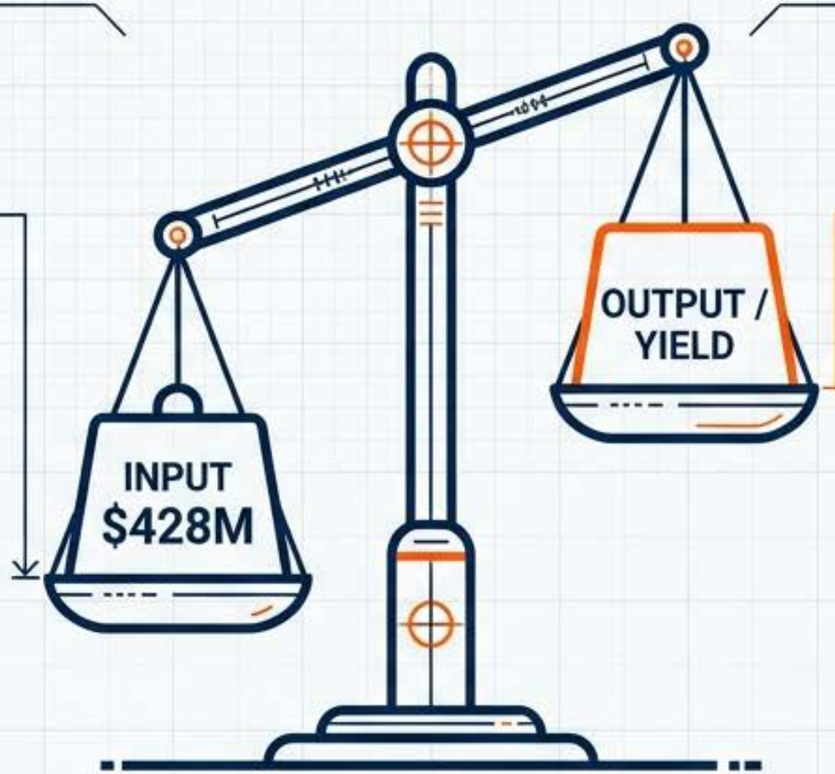
Investment Thesis: High Barrier, Rapid Yield

INPUT / BARRIER

Asset Base:
$428M

Risk Profile:
High Complexity (Construction/Utility).

Capital Intensity:
High Entry Barrier.



OUTPUT / YIELD

Time to Breakeven:
13 Months

Revenue Projection:
$105M (2026).

Scalability:
Replicable Blueprint.

[PROJECT: FINANCIAL SPECIFICATION] [DRAWING NO: FIN-CS-009] [SCALE: N.T.S.] [DATE: OCT 26, 2023]

Appendix: Consolidated Startup Cost Table

ITEM	BUDGET	CRITICAL NOTE/DEADLINE
Charger Equipment	$1,500,000	June '26 Deadline
Site Construction	$1,000,000	Aug '26 Completion
Power Infrastructure	$750,000	Sept '26 Tie-in
Land Acquisition	$500,000	May '26 Trigger
Software Development	$300,000	MVP Scope Only
Pre-Launch Payroll	$640,000	7 Roles
Pre-Opening OPEX	$150,000	Legal/Permits

TOTAL ITEMIZATION: ~$4,840,000 (Sum of listed items, includes overlap variances)

CRITICAL PROJECT ESTIMATE

[PROJECT: FINANCIAL SPECIFICATION] [DRAWING NO: FIN-CS-010] [SCALE: N.T.S.] [DATE: OCT 26, 2023]