Platform

- **PREDICT UTILIZATION FROM EV'S**
- **DETERMINE AVAILABLE STORAGE CAPACITY**
- **INFORM UTILITY**
- **DETERMINE SUPPLY FROM UTILITY**
- **ENERGY MARKET PLACE (DEFINE COST OF ENERGY)**
- **DISTRIBUTE ENERGY (STABILIZE GRID)**

PREDICTIVE ARBITRAGE CALCULATOR

🚗 Transactive Energy Agent   🚗 Fleet Population 0 / 2,743 EV's   Arbitrage Opportunity $150 USD   FNam

CAPACITY CALCULATOR

DUCK CURVE: SAN FRANCISCO, CA, USA

☑ Solar Surplus   ☐ Ideal Demand   ☐ Future Demand   ☑ Battery Impact

Refresh Updated: 5min ago

MW 1,000x — 25, 20, 15, 10, 5, 0

1am 2 3 4 5 6 7 8 9 10 11 12am 1 2 3 4 5 6 7 8 9 10 11 12

$ Per kWh   *Off-Peak: 20.2 cents*   *Partial-Peak: 23 cents*   *Peak: 31.1 cents*   *Partial-Peak: 23 cents*   *Off-Peak: 20 cents*

DECENTRALIZED BATTERY   FLEET(S): 0

☰ VIEW SUMMARY

SUMMARY

Today's Energy Supply	Solar Surplus Lost	Solar Surplus Stored	C02 Eliminated
18,000 MW	**1,200** MW	**500** MW	**568,250** Metric tons CO2
		1,136.5 lbs CO2 per megawatt-hour generated	

Chariot SF   🔒 200 EVs

Duty Cycle

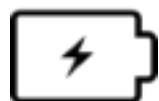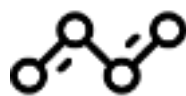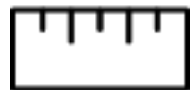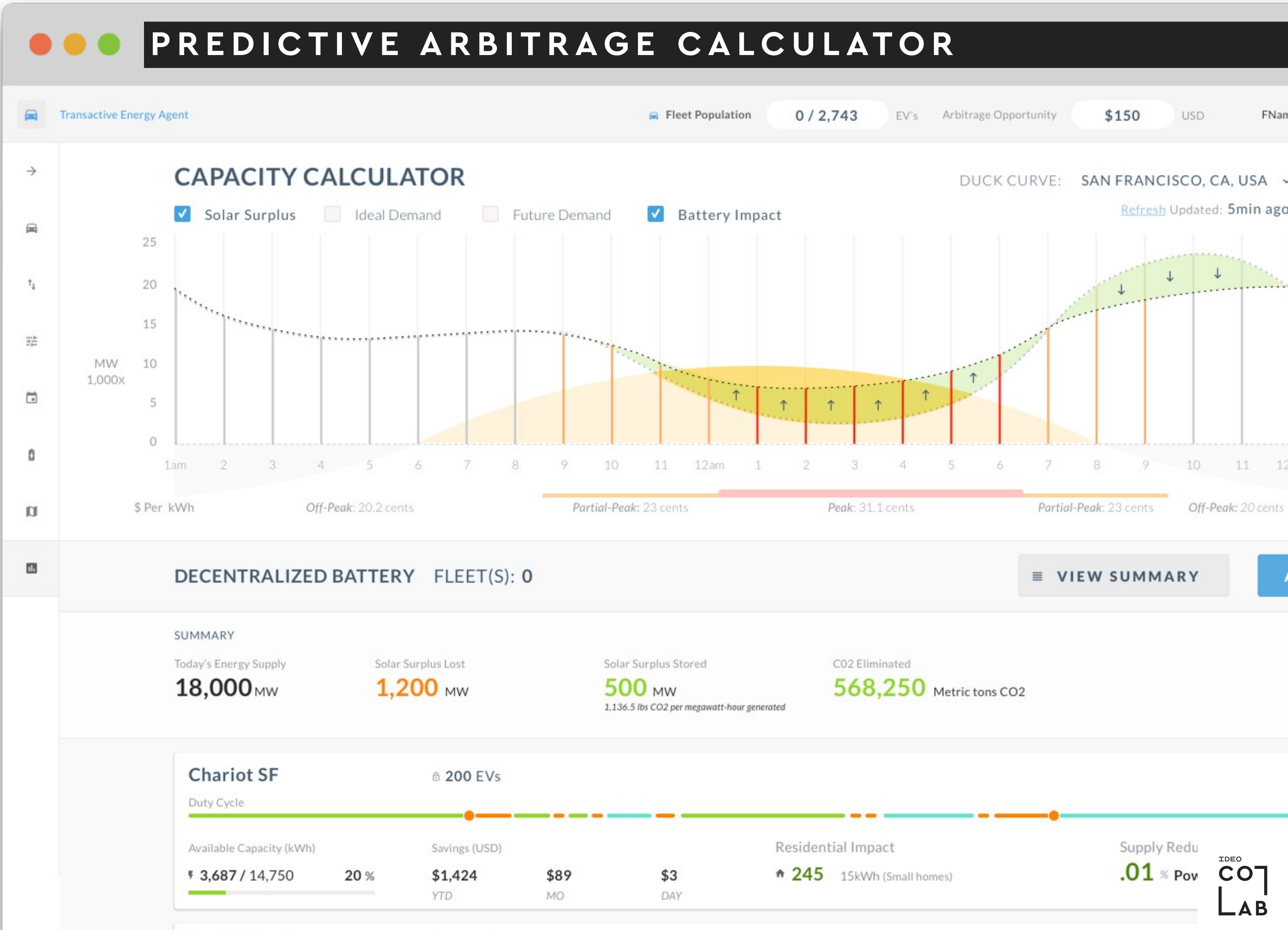| Available Capacity (kWh)	Savings (USD)			Residential Impact	Supply Redu
⚡ 3,687 / 14,750 20 %	$1,424 YTD	$89 MO	$3 DAY	🏠 245 15kWh (Small homes)	.01 % Pow

Platform

PREDICT UTILIZATION FROM EV'S

DETERMINE AVAILABLE STORAGE CAPACITY

INFORM UTILITY

DETERMINE SUPPLY FROM UTILITY

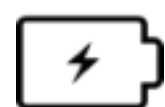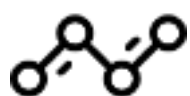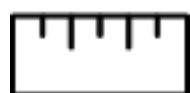**ENERGY MARKET PLACE (DEFINE COST OF ENERGY)**
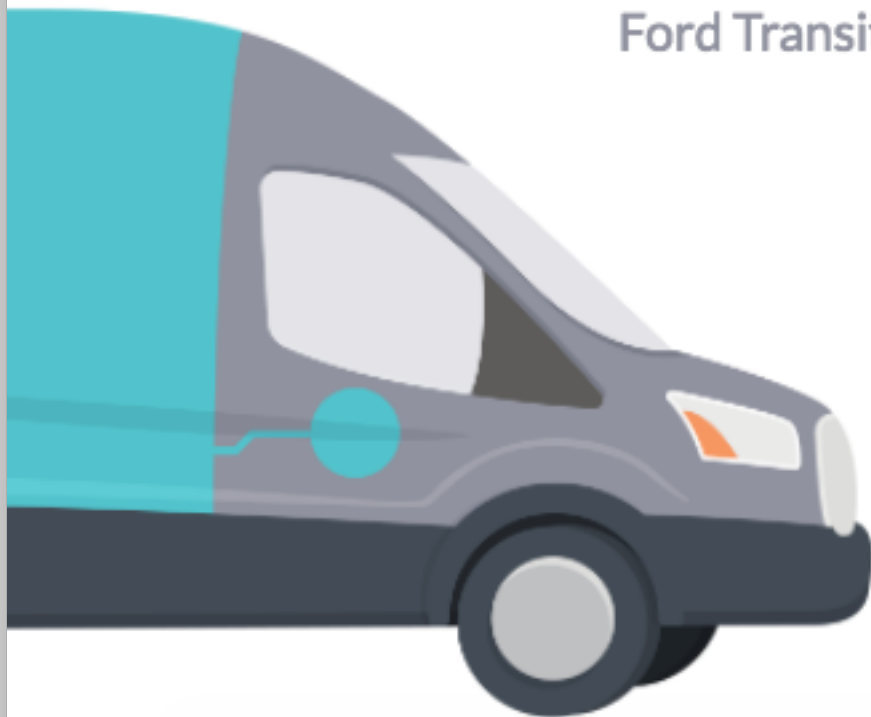
DISTRIBUTE ENERGY (STABILIZE GRID)

PREDICTIVE ARBITRAGE CALCULATOR

Chestnut Bullet
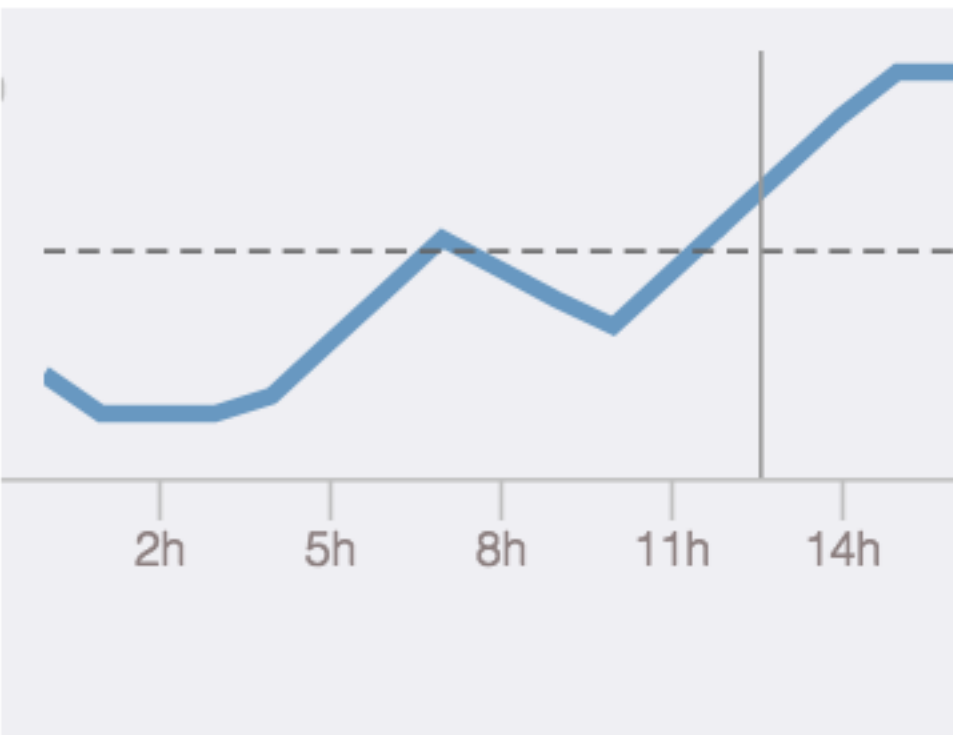Ford Transit EV

Available Capacity

66.1 / 75 kWh   88.2%

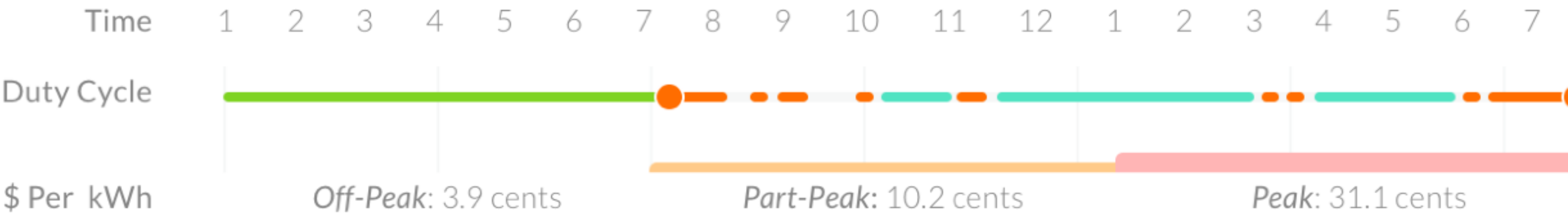solar saved   demand supplied

55.8 kWh   **0.00** kWh

2h   5h   8h   11h   14h

$560 USD   **$350** USD

Battery Health   Charge Loss

95%   **5**%

| Time | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

Duty Cycle

$ Per kWh   *Off-Peak*: 3.9 cents   *Part-Peak*: 10.2 cents   *Peak*: 31.1 cents

Arbitrage Risk Rate   Low ——————— High   Credit Accumulated $5.00 Daily

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