# CAPITAL MARKETS DAY MARCH 2022





### **Forward-Looking Statements**

This presentation includes certain statements that are not historical facts but are forward-looking statements. Forward-looking statements generally are accompanied by words such as "believe," "may," "will," "estimate," "continue," "anticipate," "intend," "expect," "should," "would," "plan," "planned," "predict," "potential," "seem," "seek," "target," "future," "outlook," and similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements include, but are not limited to: market opportunity and expectations; statements relating to our future performance, including estimates and forecasts of financial and performance metrics; manufacturing capacity at our facilities; our proposed hydrogen fueling ecosystem structure and the anticipated benefits thereof, including our mobile charging and fueling stations; timing of revenue generation, expected delivery of our trucks, prototyping and vehicle testing, volume production, as well as other milestones; expected performance levels and specifications of our trucks; terms and potential benefits of planned or future collaborations with strategic partners; our planned dealer and service network, including geographical coverage and expected warranty; our beliefs with respect to component level challenges and any potential impact on our business; expected customer engagements; potential value of regulatory incentives; future capital expenditures; and our business model and related assumptions. These statements are based on various assumptions and on the current expectations of management and are not predictions of actual performance. These forward-looking statements are provided for illustrative purposes only and are not intended to serve as, and must not be relied on by any investor as, a guarantee, an assurance, a prediction or a definitive statement of fact or probability. Actual events and circumstances are difficult or impossible to predict and will differ from assumptions. Many actual events and circumstances are beyond our control. These forward looking statements are subject to a number of risks and uncertainties, including: the failure to realize the anticipated benefits of planned collaborations or to enter into definitive documentation related thereto; design and manufacturing changes and delays; general economic, financial, legal, regulatory, political and business conditions and changes in domestic and foreign markets; the potential effects of COVID-19, including disruptions to our supply chain, employees, operations, sales and overall market conditions; component shortages and supply chain constraints; demand for and customer acceptance of our trucks; risks associated with development and testing of fuel-cell power modules and hydrogen storage systems; risks related to the rollout of our business and the timing of expected milestones; the effect of competition on our business; customer satisfaction with our trucks; the level of customer orders and our ability to deliver trucks to meet orders; the outcome of legal, regulatory and judicial proceedings to which we are, or may become a party; the availability of capital; our stock price and general stock market volatility; the impact of political and economic instability and geopolitical tensions, including outbreak of hostilities, wars, or other acts of aggression, such as the current conflict in Ukraine, terrorism and political unrest, boycotts, curtailment of trade, government sanctions and other business restrictions; and the factors, risks and uncertainties regarding our business described in the "Risk Factors" section of our annual report on Form 10-K for the year ended December 31, 2021, as amended, filed with the SEC in addition to our subsequent filings with the SEC. If the risks materialize or assumptions prove incorrect, actual results could differ materially from the results implied by these forward-looking statements. There may be additional risks that we presently not know or that we currently believe is immaterial that could also cause actual results to differ from those contained in the forward-looking statements. In addition, forward-looking statements reflect our expectations, plans or forecasts of future events and views as of the date of this presentation. We anticipate that subsequent events and developments will cause these assessments to change. We disclaim any obligation to update these forward-looking statements in the future. These forward-looking statements speak only as of the date hereof and should not be relied upon as representing our assessments as of any date subsequent to the date of this presentation. Accordingly, undue reliance should not be placed upon the forward-looking statements.

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# **SECTION PRESENTERS**



MARK RUSSELL
CHIEF EXECUTIVE OFFICER

- Over 20 years of experience building and managing companies in the manufacturing industry
- Served as president and COO of Worthington Industries (NYSE:WOR)
- Previously, served as General Manager of Engineered Aerospace Products at Alcoa Corp. (NYSE:AA)
- Education: BS from Weber State University and JD from Brigham Young University



# KIM BRADY CHIEF FINANCIAL OFFICER

- Over 20 years of experience in principle investments, private equity, investment banking, corporate restructuring, and operational performance improvements
- Served as Partner and Sr. Managing Director at Solic Capital
- Previously, served as CFO and General Manager for various companies in manufacturing, business services, and healthcare
- Education: BS from Brigham Young University and MBA from Northwestern's Kellogg Graduate School of Management



**TRANSPARENCY** 

QUALITY

COLLABORATION HUMILITY

**VALUES** 

DRIVE FORWARD OUR MOVE FAST WORK **OUTWARD** ACT AS OWNERS

We WORK OUTWARD by considering the impact our efforts have on each other, our partners, and our customers

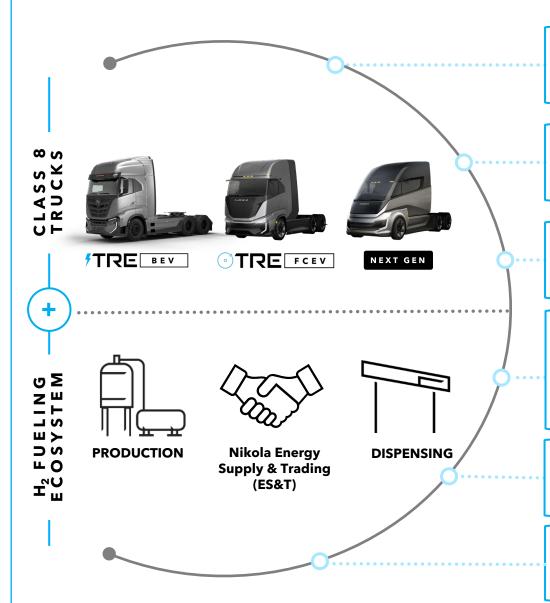
# NKOL/

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# SUMMARY OF KEY VALUE DRIVERS



### LARGE TAM ADDRESSED BY DIFFERENTIATED BUSINESS MODEL

- \$600B global TAM addressed by "bundled lease" offering of FCEV trucks, hydrogen fuel, and truck services
- Compelling product offerings of BEV and FCEV trucks to address short-haul and medium-haul applications

### STRONG STRATEGIC PARTNERSHIPS

- Strategic partners with industry leaders to help drive execution and increase speed to market
- Expansive strategic partnerships span the entire truck and hydrogen ecosystem

### **MARKET-LEADING PRODUCTS**

- BEV and FCEV product offerings address the short, medium, and long-haul segments of class 8 trucks
- Expected category-leading vehicles specifications and performance for BEV and FCEV

### CAPITAL EFFICIENT HYDROGEN ECOSYSTEM STRATEGY

- Partnership model enables Nikola to achieve asset-light and capital-efficient  $H_2$  infrastructure development while preserving and optimizing value creation and profit margin
- Nikola's FCEV fuel demand provides a catalyst for investment from strategic and financial partners, reducing the equity requirements from parent co. for H<sub>2</sub> ecosystem buildout

### **ROBUST MANUFACTURING CAPACITY**

- Manufacturing capacity for up to  $\sim$ 2,400 trucks by Q1 2022 and  $\sim$ 20,000 trucks by Q1 2023 in Coolidge, AZ<sup>(1)</sup>
- Start of BEV truck series production commenced MAR 21, 2022 (Coolidge, AZ)

### PATH TO MEANINGFUL REVENUE GENERATION EXPECTED IN 2H 2022

- Expect to deliver 300 500 BEV trucks largely in 2H 2022, when critical components become more available<sup>(2)</sup>
- Backlogs of LOIs, MOUs, and POs expected to increase as Nikola produces and delivers production Tre BEVs in 2022 and into 2023

- Expected assembly line capacity Coolidge, AZ, facility running 2 shifts
- 2) Plant capacity only. Actual truck production expected to be 300 500 units in 2022 due to parts shortage

# RECENT SUCCESSES

Nikola continues to execute on stated goals, building toward a zero-emission future

# CUSTOMER FLEET PILOT TESTING

- Successful deliveries of test units for on-road milage accumulation
  - BEV (TTSI)
  - FCEV (Anheuser-Busch)

### **START OF PRODUCTION**

- 40 pre-series truck builds
- Start of production commenced Mar 21, 2022

### STRONG CUSTOMER MOMENTUM

- High-profile customer wins with leading truck fleet operators
- Up to 425 Tre BEV and up to 1,010 Tre FCEV trucks under LOI / MoU / PO

# RECENT EXECUTIONAL MILESTONES

00

### **EXPANDED PARTNER ECOSYSTEM**

- Secured key strategic partnerships (TC Energy, TA, Opal Fuels)
- Expanded dealer and service networks

### **STRENGTHENED MANAGEMENT**

- Michael Lohscheller joined as President of Nikola Motor division
- Lynn Forester de Rothschild joined as independent director



### **CONCLUDED SEC INVESTIGATION**

 SEC settlement of \$125 million civil penalty, payable in five installments over two years

# INTRODUCTION: WE ARE NIKOLA

NIKOLA'S VISION: Be the leader in zero-emission commercial transportation, by building and managing the next generation truck and fueling ecosystem

# **COMPANY OVERVIEW**

- Founded in 2015
- Headquartered in Phoenix, AZ
- As of March 2022, ~1,012 employees
- **+\$1.8B** of capital raised to-date<sup>(1)</sup>
- Business combination completed with VectolQ and listed on NASDAQ in June 2020

# STRATEGIC PARTNERS

























# **CLASS 8 TRUCKS**



# H<sub>2</sub> FUELING ECOSYSTEM













**Nikola Energy Supply & Trading** (ES&T)



DISPENSING

# DIFFERENTIATED BUSINESS MODEL

Unlike many competitors, Nikola intends to capture revenue throughout the entire commercial transport ecosystem

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE

# GLOBAL MARKET OPPORTUNITY<sup>(1)</sup>

# ~\$600B TAM

# GLOBAL COMMERCIAL TRANSPORT ECOSYSTEM

~7M Trucks in Service

### **NORTH AMERICA: \$128B TAM**

TRUCK	FUEL	SERVICE
0000	$\bigcirc$	B
~\$36B	~\$63B	~\$29B



### \$118B TAM<sup>(1)</sup>

# GLOBAL CLASS 8 TRUCKS

- BEV Sales directly to customers (2)
- FCEV Sales via bundled lease(2)



### \$367B TAM(1)

### **HYDROGEN FUEL**

- Sales to FCEV bundled lease customers (2)
- Sales to 3<sup>rd</sup> party customers
  - Other commercial vehicles
  - Passenger vehicles



# \$112B TAM<sup>(1)</sup>

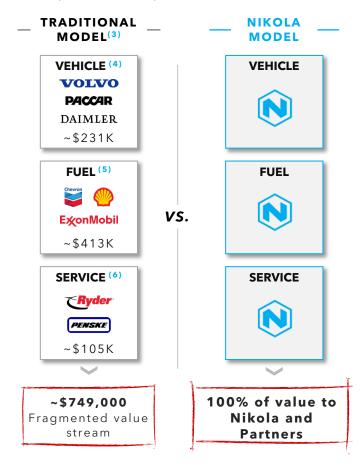
# GLOBAL CLASS 8 TRUCK SERVICE

- Nikola bundled lease customers (2)
- 3<sup>rd</sup> party BEV or FCEV customers

# FCEV BUNDLED LEASE —

Illustrative - actuals may vary

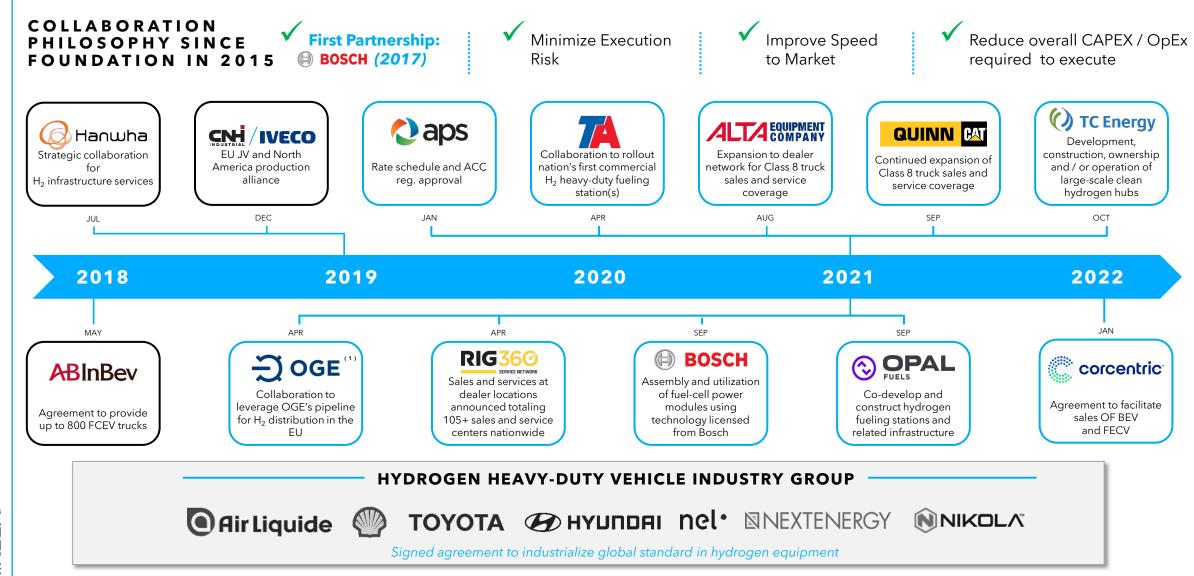
Opportunity for Nikola to capture significantly more revenue per unit sold compared to traditional model



- Estimated Total Cost of Ownership for traditional model in 2022 based on 7 years ownership
- Represents cost of \$170k ICE truck financed over 7-years or 700k miles
- 5) Based on DOE weekly avg. US diesel price for Jan Mar 2022 x fuel efficiency of 6.7mpg x 700k miles
- 6) Assumes \$0.17/mile over 700k miles (per ATRI cost of trucking 2021)

# STRONG STRATEGIC PARTNER ECOSYSTEM

Nikola's vision to decarbonize heavy-duty transportation is supported by a strong network of strategic partners



# **NIKOLA'S MANAGEMENT TEAM**

## **EXECUTIVE TEAM**



STEVE GIRKSY Chairman of The Board





MARK RUSSELL CEO BYULAW 🚓 WORTHINGTON



KIM BRADY Chief Financial Officer NAVIGANT



CVS CAREMARK

# **CLASS 8 TRUCKS**





**MICHAEL** LOHSCHELLER President, Nikola Motor OPEL

### **PRODUCTS**



MICHAEL ERICKSON Global Head, BEV **POLARIS** Honeywell















### MANUFACTURING



MARK DUCHESNE Global Head, Manufacturing





### **SUPPLY CHAIN**









# H<sub>2</sub> FUELING ECOSYSTEM



PABLO KOZINER President, **Energy & Commercial** PAUL CATERPILLAR HASTINGS



### **ENERGY FINANCE**



**CAREY MENDES** Group Head bp





MARK KEITH Global Head **Solar Turbines** American Airlines

**ENERGY SUPPLY & TRADING** 



**ERIK** MASON Group Head



**TECH. & PRODUCT DEVELOPMENT** 



DONGHUI ZHANG Group Head **Solar Turbines** 







# THE NIKOLA TRE EVOLUTION

Leveraging the IVECO S-WAY has increased speed to market for Nikola's BEV and FCEV Tre programs

# IVECO S-WAY

**IVECO LAUNCHED** JAN 2019



# • Driver-centric design

• Europe focused

# **NIKOLA TRE: BEV**

**EXP. COMMERCIAL DELIVERIES:** Q2 2022



### PRE-SERIES DEMO DELIVERY:

Q4 2021(TTSI)

- Redesigned cab
- Platform Electrification (BEV)
- Up to 350-mile zero-emission range

# **NIKOLA TRE: FCEV**

**EXP. COMMERCIAL DELIVERIES:** Q4 2023



## **ALPHA-SERIES DEMO DELIVERY:**

Q1 2022(AB)

- Leverages existing Nikola Tre platform
- Fuel-Cell integration (FCEV)
- Up to 500-mile zero-emission range

# **NIKOLA'S TRUCK PRODUCTS**

Nikola is building strong momentum from recent customer wins that provide visibility into a pipeline for 2022 and beyond<sup>(1)</sup>



TRE BEV

**UP TO 425** 



**30**(4)



100(4) (LOI)



**10** (Order)



100(4) (LOI)

100



**25** (MOU)



USATRUCK





10(4) (LOI)



**50**(3)



OTRE FCEV UP TO 1,010







**70**(4)



100(4) (LOI)



**800**(3) (Contract)

- 1) Subject to execution of definitive agreements or POs, and ability to deliver trucks; subject to order cancellation
- 2) HVIP has 100 unit per OEM limit + exemption for up to 50 drayage trucks (total 150)

- AB order for up to 800 FCEVs; subject to satisfaction of delivery timelines and vehicle specifications
- 4) LOIs based on satisfactory completion of the vehicle trials / demonstration programs

# H<sub>2</sub> FUELING ECOSYSTEM<sup>(1)</sup>

Leverage strategic and financial partners to help fund the development of infrastructure (production and dispensing), while capturing value and optimizing margin due to Nikola's asset-light and capital-efficient approach





1) PRODUCTION



2) Nikola Energy Supply & Trading (ES&T)

"Supply Co."



3) DISPENSING



BUILD H<sub>2</sub> PRODUCTION PROCURE OTHER H<sub>2</sub> SUPPLY

RESOURCES

**ENERGY OPTIMIZATION** 

LOGISTICS & DISTRIBUTION

**ENERGY TRADING** 

**BUILD STATIONS**  SELL H<sub>2</sub> TO NIKOLA + OTHER CUSTOMERS





OWNED/CONTROLLED **BY NIKOLA** 

CONTROL H2 MOLECULE THROUGHOUT ECOSYSTEM











# **BEV OVERVIEW**

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# **SECTION PRESENTERS**



### MICHAEL ERICKSON

GLOBAL HEAD, BEV

- Nearly 30 years of experience in energy and durable goods & transportation; leading and growing manufacturing, and distribution businesses
- Joined Nikola as president of Powersports from 2018
   2020
- Previously served as VP and General Manager of Lubrication Technologies
- Spent most of his career working for Honeywell (NYSE:HON) and Polaris Industries (NYSE:PII)
- Education: BS in Energy Management | Finance from Minnesota State University, Moorhead



# LYNDON LIE

GLOBAL CHIEF ENGINEER, BEV

- Over 30 years of experience of design and engineering of cars and light trucks
- Previously VP of Engineering and Technology at TPI Composites
- Spent 28 years at GM, left as the Global Chief Engineer for the Cadillac CT6
- Education: BSEE from Oakland University I Exec MBA from Michigan State University

# **BEV OVERVIEW**

State-of-the-art BEV trucks serve the short-to-medium haul needs of customers throughout the US and EU



<del>/</del> T	R	Ε	BEV
, -			

Sales Model	Direct Sales	
Expected Deliveries	Q2 2022	Q3 2023
Use Case		m haul routes se Applications
Estimated Range	Up to 35	50 miles <sup>(1)</sup>
Anticipated Charge Time	~100 m	ninutes <sup>(2)</sup>
Nikola Advantage		Advantage, Range cially available zero-emission trucks to market

<sup>1)</sup> Actual range will vary and depend on speed, temperature, topography, and payload

<sup>2)</sup> Represents expected ~80% state-of-charge (SOC) via a 350kW charger or ~200 minutes via a 175kW charger

# TRE BEV

# TRUCKS & KEY SPECS



**Purpose-Built Electrified Platform** 

Up to 350<sup>(1)</sup> Mile Range

480kW / 645HP Continuous

~100 Minutes Charge Time(2)

**EXP. DELIVERIES 2022** 300 - 500

# **USE CASE**

- Metro-regional, return to base applications (i.e. inner city, drayage, etc.)
- Extended range allows for continuous operations (slip seating) on local routes or regional hauls with average range of 300 miles on a single charge

# CUSTOMER DEMOS









7+ TO BE ANNOUNCED

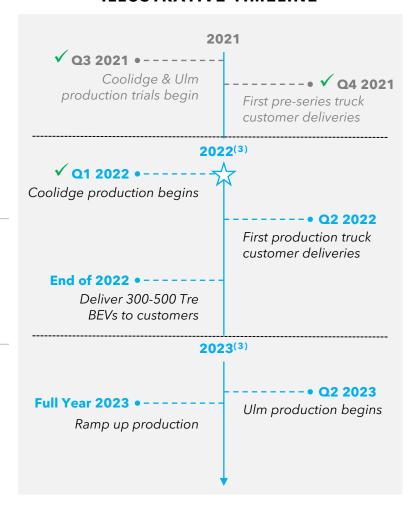
JANUARY 2022

MARCH 2022 APRIL 2022<sup>(3)</sup>

JUNE 2022<sup>(3)</sup>

EXP. Q2 2022

### **ILLUSTRATIVE TIMELINE**



- ) Actual range will vary and depend on speed, temperature, topography, and payload
- Represents expected ~80% state-of-charge (SOC) via a 350kW charger or ~200 minutes via a 175kW charger

3) Expected; subject to change

# **VALUE PROPOSITION**

**Zero-emissions** class 8 truck trusted to **safely** deliver goods with class-leading **power** & **range**, and an enhanced **driver experience** 









480kW/645HP Continuous



Maintenance & fuel **cost savings** for better TCO



Cabover design for visibility and maneuverability

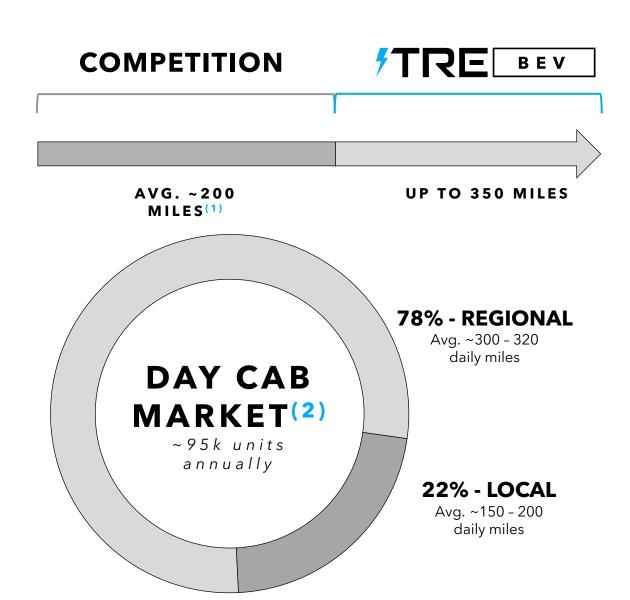


Proven, safe, and reliable platform



Advanced driver interface tech and connectivity

# **COMPETITIVE LANDSCAPE**





# **NIKOLA'S RANGE IS KEY DIFFERENTIATOR**

Tre BEV's longer range enables Nikola serve a greater portion of the day cab market

- 1) Estimated; subject to change. Average of competitor tractors that qualify for California HVIP as of Mar 23, 2022, and 300-mile Tesla Semi
- 2) Source: ACT Research

# TRE BEV PURPOSE-BUILT ELECTRIFIED PLATFORM

# **POWER ELECTRONICS**

- DC-DC converters
- HV distribution modules
- Thermal controls/pumps
- Electronic air compressor electrohydraulic steering
- Electronic park brake control



**BATTERY PACKS** (9)

**E-AXLE** 

**HV INVERTER** (2)

# TRE BEV COMMISSIONING AND DELIVERIES









# - PROGRAM STATUS<sup>(1)</sup> 40 PRE-SERIES TRE BEVS

18 have been completed and delivered to date

**22** awaiting final checks and commissioning before delivery

**√**Tre BEV start of production (SOP) began 3/21/22

# TRE BEV PILOT TESTING











Began **trials with TTSI** on 12/17/21 Two (2) Tre BEVs delivered

- Trucks have logged over 4,500 combined miles
- Achieved 98% total uptime
- Completed a 204-mile trip on a single charge, the longest range recorded by any BEV that TTSI has tested in their fleet

## **Driver Feedback**

- Cab roominess
- Great turning radius
- High visibility
- Ride is smooth and quiet
- Strong power and torque

# TRE BEV PRODUCT LIFECYCLE



# START OF PRODUCTION

COMMENCED MAR 21, 2022

# **SHIPPING**

Fulfill customer orders. exp. first production deliveries Q2 2022

# PRIMARY GATING ITEMS



BATTERY CELLS

MODULES, BMS CHIPS, AND PACKS (1) Suppler allocation to support up to ~500 trucks builds in 2022

Supplier allocations support up to **300 - 500** truck builds in 2022 **EXP. DELIVERIES 2022** 300 - 500 NIKOLA.

# Q & A

# **FCEV OVERVIEW**

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# **SECTION PRESENTERS**



JASON ROYCHT GLOBAL HEAD, FCEV

- 23 years of engineering / business expertise at Bosch in various leadership positions in the US and Germany in automotive technical business development
- Recognized by Automotive News as a rising star in 2018 for his efforts in the transformation of Bosch's Commercial Vehicle business
- Joined Nikola as VP of Technology Development and Strategy in Q4 2019 after leading Bosch's investment rounds and strategic partnership with Nikola
- Education: Bachelor of Science in Mechanical Engineering from Kettering University



CHRISTIAN APPEL
GLOBAL CHIEF ENGINEER, FCEV

- 13 years of experience in various engineering and engineering management roles at Bosch and Deutsche ACCUMOTIVE (Daimler)
- Customer Chief Engineer at Bosch from 2017 to 2020
- Has held various other positions at Bosch including Sr. Manager and Sr. Technical Expert Powertrain Systems
- Education: German Diploma (equivalent to Master of Science) from University of Stuttgart

# TRE FCEV ALPHA PROTOTYPE PHASE

Global R&D effort | Parallel Engineering with key partners







Unveiling Sept. 2021 Ulm, Germany



**DESIGN AND BUILD OF FC1-2** 

**VEHICLE TESTING (EU)** 

2021 Q1

2021 Q2

2021 Q3

2021 Q4

2022 Q1 +

**BUILD FC3-7** 

**VEHICLE TESTING (AZ, MI, ETC)** 











"That's a lot further along than I'd normally expect to see. This does not look like an alpha vehicle ... this is almost like a pre-production vehicle... Tesla and Nikola are the only two that I think have got a good idea of what the future needs." - **Sandy Munro, CEO - Munro & Associates, Inc.** 

# TRE FCEV PILOT TESTING

### **ANHEUSER-BUSCH PILOT**

# Start of pilot on Jan 25th, 2022 with two (2) Tre FCEV Alpha Trucks:

- Kick-off pilot: trucks completed a 350-mile journey on one fueling
  - Nikola HQ (Phoenix, AZ) to AB distribution center (Ontario, CA)
- The trucks are placed into daily service within AB's Southern California distribution network supporting the Van Nuys brewery for a duration of 90 days
- The target of the pilot is to demonstrate technology readiness and obtain real world design feedback with drivers and the logistics team
- As of March 23, the FCEVs have accumulated ~8,000 combined miles and hauled over 1.5 million lbs of product









# TRE FCEV ALPHA PILOTS



# **FCEV PILOT TIMELINE**

Pilots with FC1, 6, and 7 — **ADD'L PILOTS** PILOT 1 PILOT 2 To be announced AB - Los Angeles TTSI - Port of LA SoCal and others 2023 Q1 2022 Q2 2022 Q3 2022 Q4 2022

Continued testing & development with FC2-5 —

# **PILOT ROAD DATA** Location: CA



# **PAYLOAD**

Highest customer shipment GCVW 81,780 lbs



# **MOBILE FUELING**

Mobile fueling solutions → **convenient** fueling at designated pilot locations



# **MILES**

Pilots will continue operations to achieve a total of 50k customer road miles by year end

# **UP TIME**

>90% combined up time





# FCEV VALUE PROPOSITION

## LEVERAGING THE TRE PLATFORM FOR FUEL CELL ELECTRIC



**480kW/645HP**Continuous



Maintenance & fuel cost savings for better TCO



Cabover design for comfort and maneuverability



Proven, safe, and reliable platform



Advanced driver interface tech and connectivity

# **KEY ADVANTAGES**

- 1) Up to 500 miles<sup>(1)</sup> for longer range / dual shift regional operations
- 2) Refueling times and locations comparable to diesel
- 3) Higher freight hauling vs. other ZEVs
- 4) Low net CI wheel-to-well vs. diesel
- 5) Battery & Fuel Cell operation optimizes efficiency / durability
- 6) Purpose-Built Electrified Platform w/ integrated Fuel Cell and storage
- 7) **Zero tailpipe emission**, exhaust product of H<sub>2</sub> is water vapor
- 8) Nikola → to create H<sub>2</sub> infrastructure for FCEV customers
- 9) H<sub>2</sub> fuel prices more **predictable and stable** compared to diesel

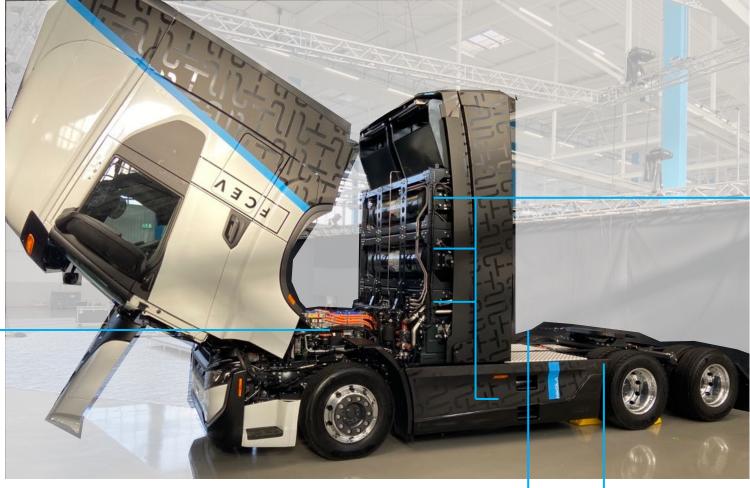


# TRE FCEV HYDROGEN FUEL CELL DRIVETRAIN

Alpha Fuel Cell Prototype(1)

**FUEL CELL POWER UNITS** 

2x 100kW Net



**H<sub>2</sub> TANKS**3x Backpack Tanks
2x Saddle Tanks Nominal Working Pressure 700 bar Type 4 Composite

**BATTERY PACKS** 2X 70kWh Usable

**E-AXLE** 

(Power: 480 kW Continuous)

# TRE FCEV TIMING TO MARKET<sup>(1)</sup>

# AL.

- **ALPHA BUILDS -**
  - Global R&D effort, Parallel engineering with key partners
  - Leverage maturity of Tre BEV platform for Tre FCEV Alpha testing
  - Tre FCEV Alphas Feedback incorporated into Tre FCEV Beta phase
- Alpha Validation
  - Alpha Demos



### BETA BUILDS AND BEYOND

Cab with improved aerodynamics and thermal management

**Light weighting** of cab/chassis

Optimized Fuel Cell Power Modules (FCPMs)

Updated controls and HMI



**Gamma** Builds Begin

— Gamma Demos ————

**Pre-series** production begins



**Customer Launch** 

— Dealer/Customer Delivery

Start of productionStart of productionCoolidgeUlm

2021 > 2022 > 2023

2024

# **NIKOLA VEHICLE MASTER PLAN**

Continue to leverage, innovate, and execute



2022



SHORT-MEDIUM-HAUL UP TO 350 MILE RANGE

TRE LAUNCH PLATFORM

2023



MEDIUM-HAUL
UP TO 500 MILE RANGE

IMPROVED AERO
FUEL CELL DRIVETRAIN
WEIGHT REDUCTION
H, INFRASTRUCTURE

2025



LONG-HAUL/SLEEPER UP TO 900 MILE RANGE

CONTINUE PLATFORM EVOLUTION

SPECIFICATIONS SUBJECT TO CHANGE

NIKOLA.

# Q & A

# **MANUFACTURING OVERVIEW**

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03	ULM
04	ADAPTIVE MANUFACTURING

#### **SECTION PRESENTER**



### MARK DUCHESNE GLOBAL HEAD, MANUFACTURING

- Over 30 years of automotive manufacturing and management experience
- Oversaw production and volume ramp of Tesla's Model S and Model X

## NIKOLA

#### MANUFACTURING OVERVIEW





AND

**ULM, GERMANY** 

**BACKGROUND** 

Nikola's 400+ acre greenfield manufacturing facility

**PURPOSE** 

One line capable of producing both, BEV and FCEV for North American market (2)

ANNUAL PRODUCTION
CAPACITY (1)

**START OF PRODUCTION** 

Up to ~45,000 Total Capacity BEV/FCEV Units

Commenced March 21, 2022 (Nikola Tre BEV for North America)

Repurposed existing IVECO facility to manufacture
Nikola vehicles

One line capable of producing both, BEV and FCEV for EU market (2)

Up to 10,000+ BEV / FCEV Units

Expected June 2023 (Nikola Tre BEV for European Market)

Maximum production capacity based on utilizing two 8-hour shifts in Phase 3; production and capacity targets are estimates and are subject to change. Product mix may be adjusted as necessary based on product demand

<sup>2)</sup> Nikola's modular manufacturing process is adaptable to meet customer demands, regardless of product type. Manufacturing overlap consists of components overlap (chassis, inverters, braking, human-machine interface, eAxles, steering, interior design, electrical systems) as well as process overlap (assembly production line, warehousing, welding / painting, administration office)

#### **COOLIDGE MANUFACTURING OVERVIEW**

#### **FACILITY PROGRESS**

#### **JULY 2020**



Groundbreaking ceremony

#### **DECEMBER 2020**



Install first steel columns

#### **JULY 2021**



Core facilities, assembly, and test road installed

#### **NOVEMBER 2021**



Assembly expansion area started

#### FEBRUARY 2022



Milestone



Assembly expansion area completed



- ✓ Greenfield facility to support BEV and FCEV truck manufacturing
- ✓ Fuel-cell power module assembly expected by 2023 in support of the initial Tre FCEV production
- ✓ Bosch will provide key components for fuel-cell power module assembly



COMPLETED JUL 2021 COMPLETED MARCH

Q1 2023

2024

#### EST. TIMELINE(1

**PLANT CAPACITY** (# of trucks)

**PHASE BREAKDOWN** 

#### PHASE 0.5

~1,200

Pilot line, core facilities and buildings

#### **PHASE 1.0**

~2,400

Main assembly hall expansions

#### **PHASE 2.0**

~20,000

Introduction of cab assembly process line

#### **PHASE 3.0**

~45,000

Addition of weld and paint buildings/infrastructure (2)

- Estimated; subject to change
- 2) Inclusion of paint and weld facilities subject to final make vs. buy decision

#### **ULM MANUFACTURING OVERVIEW**

#### FACILITY OVERVIEW

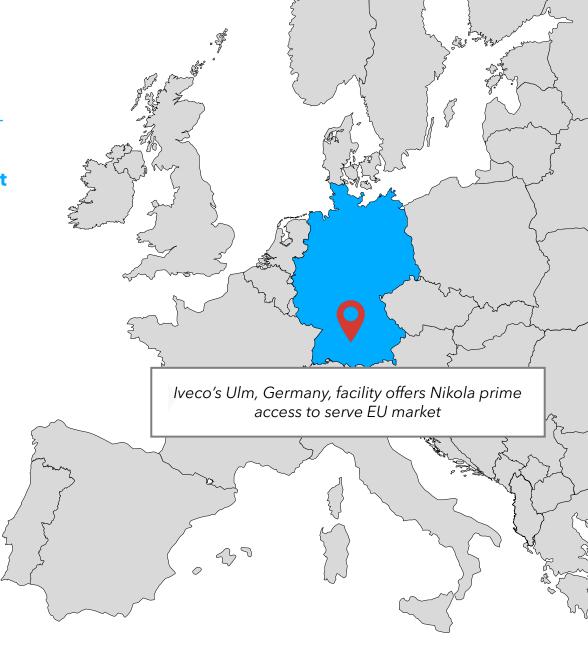
- ✓ Nikola's joint venture with Iveco offers access to its state-of-the-art manufacturing facility located in Ulm, Germany
- ✓ Minimum expected capital commitment
- ✓ Expected capacity of 2,000 units per year with opportunity to expand to 10,000 per year with existing footprint



Official Inauguration (Sep 2021)



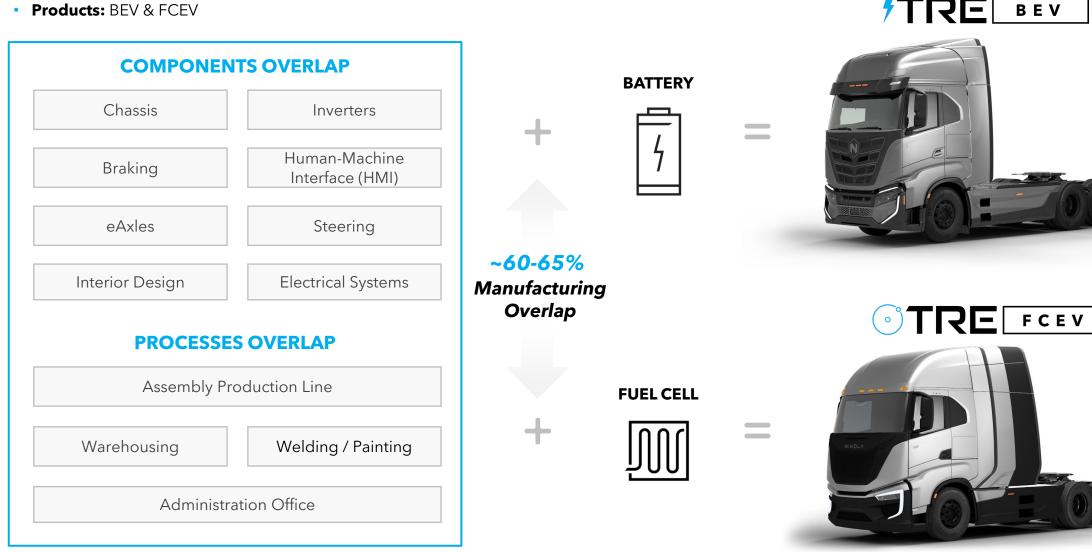
US BEV Pre-Series Builds (Jun 2021)



#### **NIKOLA'S ADAPTIVE MANUFACTURING**

Nikola's modular manufacturing process is adaptable to meet customer demands, regardless of product type

- Overall Plant Capacity (Coolidge): Up to ~45,000 vehicle per annum
- Products: BEV & FCEV



NIKOLA.

# Q & A

# BREAK

#### **ENERGY ECOSYSTEM OVERVIEW**

	COMPANY INTRODUCTION
	TRUCK PORTFOLIO  - BEV  - FCEV
03	MANUFACTURING
04	H <sub>2</sub> FUELING ECOSYSTEM
05	COMMERCIAL STRATEGY
	REGULATORY
	PEOPLE
	BUSINESS MODEL WALKTHROUGH

01	ECOSYSTEM OVERVIEW
02	BUSINESS ACTIVITIES  - PRODUCTION / INCENTIVES  - DISTRIBUTION  - DISPENSING / INCENTIVES
03	NIKOLA SUPPLY CO.
04	TCO DRIVERS

#### **SECTION PRESENTERS**





- Over 20 years of experience building and managing companies in the construction and energy industry
- Served as President at Solar Turbines from 2015-2019
- Previously served as Vice President / Regional Manager of Caterpillar Inc. from 2011 to 2014
- Education: BA from Boston College and JD from Boston College Law



**CAREY MENDES**GROUP HEAD, ENERGY
FINANCE

- Over 20 years of experience in banking, finance and energy supply & trading
- Served as Head of BP's North American Energy Supply & Trading business,
- Global leadership for the BP Low Carbon trading business
- Chief Risk Officer for BP's Integrated Supply & Trading unit
- Education: BA, MBA from University of Calgary and CFA Charter Holder



### ERIK MASON GLOBAL HEAD, ENERGY SUPPLY AND TRADING

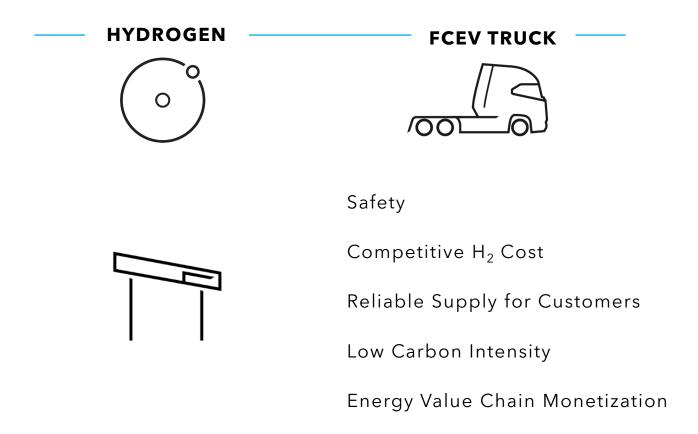
- Over 20 years of experience in banking and energy commodity trading, working across the entire energy complex
- Served as Managing Director of Global Structured Products for BP Energy Trading, developing large highly structured energy projects and solutions
- Founding Chairman of Clean Hydrogen Future Coalition
- Education: BM from University of Lethbridge and CFA Charter holder



### RYAN McGEACHIE GLOBAL HEAD, ENERGY INFRASTRUCTURE AND COMMERCIAL OPERATIONS

- Over 20 years of experience in the energy supply and trading industry
- Served as Global Head of Structured Products Americas for BP Energy Trading
- Deep experience Power, Natural Gas, and Low carbon markets
- Education: BCom from University of Calgary and CFA Charter Holder

#### **NIKOLA ENERGY STRATEGIC DRIVERS**



#### H<sub>2</sub> FUELING ECOSYSTEM<sup>(1)</sup>

Leverage strategic and financial partners to help fund the development of infrastructure (production and dispensing), while capturing value and optimizing margin due to Nikola's asset-light and capital-efficient approach





& Trading (ES&T)
"Supply Co."



#### 3) DISPENSING





1) PRODUCTION

ENERGY OPTIMIZATION

LOGISTICS & DISTRIBUTION

**ENERGY TRADING** 

BUILD STATIONS SELL H<sub>2</sub> TO NIKOLA + OTHER CUSTOMERS



PROCURE OTHER

H<sub>2</sub> SUPPLY

#### OWNED/CONTROLLED BY NIKOLA

CONTROL H<sub>2</sub> MOLECULE THROUGHOUT ECOSYSTEM







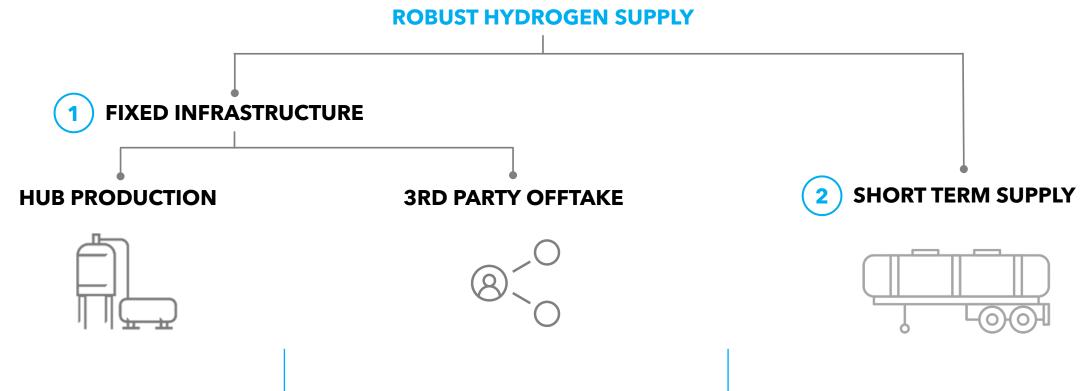


BUILD H<sub>2</sub>

PRODUCTION

#### HYDROGEN SUPPLY STRATEGY(1)

Supply **low cost and low CI hydrogen** to our customers with a clear path to net zero by taking a technology-agnostic approach to produce or source hydrogen in every region



Partner with Infrastructure
Developers to access low cost
of capital to build large scale
hydrogen production

Opportunistically execute offtake agreements with 3rd party producers to secure low-cost, low carbon-intensity hydrogen

Execute short term supply agreements with strategic partners to **bridge long-term supply** and **enable spot system balancing**, trading and optimization across the growing asset network

#### **HYDROGEN PRODUCTION**(1)

Nikola is partnering with strategic and financial partners to help fund H<sub>2</sub> production facilities to support Nikola's Hydrogen demand from FCEV leases



#### **STRUCTURE & IMPACT**

## NIKOLA + STRATEGIC & FINANCIAL PARTNERS

- Production assets to be structured as SPV where Nikola owns 0%-50%
- SPVs to be funded by partners with a lower cost of capital
- Robust pipeline for projects ideally suited for investment from ESG funds
- Plans to commence construction of the first H<sub>2</sub> production hub 2H 2022

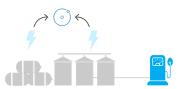
#### H<sub>2</sub> PRODUCTION MODELS



**HUB-AND-SPOKE** 



OPPORTUNISTIC OFF-TAKE



#### **ONSITE**

H<sub>2</sub> is produced and dispensed onsite

#### **ECONOMICS**

REVENUE

Off-take price to be negotiated with "Supply Co."

**Production incentives** 

- PRODUCTION COST

intended to reside at production entity, serve to offset NKLA offtake price

PRODUCTION MARGIN

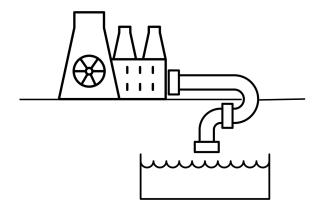
Estimated steady-state fixed return of **7-10%** 

- 1) Based on current expectations; subject to change
- 2) Production assets to be structured as SPV where Nikola owns 0% 50% of the production entity

#### PRODUCTION INCENTIVES - CURRENT / POTENTIAL

Existing and proposed legislation is expected to allow Nikola to capitalize on further value creation

#### **45Q - Qualified Carbon Capture**



- Existing tax credit of \$12-\$50 / mt of CO<sub>2</sub> captured & sequestered
- Proposals in congress could boost to \$175 / mt current consensus target increase is centering around ~\$85 / mt

## Potential Incentive Value<sup>(1)</sup>: ~\$0.07 - \$0.52 / kg

#### **Producer Tax Credit (PTC)**

CO <sub>2</sub> e kgs to produce a kg of H <sub>2</sub>	PTC per kg
At least 0.0 but less than 0.45	\$3.00
At least 0.45 but less than 1.5	\$1.002
At least 1.5 but less than 2.5	75¢
At least 2.5 but less than 4	60¢
At least 4 and not more than 6	45¢

- Not currently available "Build Back Better" bill proposed
  - Up to \$3.00 / kg H<sub>2</sub> produced
- Credits dependent on  $CO_2$  emittance per kg  $H_2$  produced

**Potential Incentive Value:** 

~\$0.45 - \$3.00 / kg

## NIKOLA

#### HYDROGEN DISTRIBUTION

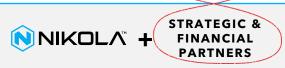
Nikola to partner with distribution partners who have assets and experience in transportation and logistics



#### **STRUCTURE & IMPACT**

#### **DISTRIBUTION MODELS**

#### **ECONOMICS**



- · Distribution a pass-through cost, impacts "Supply Co." P&L
- Reduced capital required by Nikola to execute its business plan
- Initially per-mile cost to "Supply Co."
- Over time, Nikola may own/operate distribution assets



#### **ROAD**

Dedicated road trailers, including:

- Liquid
- Compressed Gas



#### **PIPELINE**

Leverage existing pipeline infrastructure

REVENUE

Distribution rate per kg / mile negotiated with "Supply Co."

- DISTRIBUTION COST Cost per kg of hydrogen distribution

DISTRIBUTION MARGIN Distribution company to achieve rate of return based on capital invested

#### HYDROGEN DISPENSING(1)

Nikola plans to partner with both strategic and financial partners to build out dispensing stations to reduce CAPEX and improve speed to market



#### **STRUCTURE & IMPACT**



- Partners help offset CAPEX and increase speed to market
- Modular construction designed to allow for gradual phase-out of diesel pumps at existing fueling lanes (reduces timing risk for station operators)
- Nikola Bundled Lease brings H<sub>2</sub> DEMAND,
   "Supply Co." brings station H<sub>2</sub> SUPPLY

#### **STATION SPECS**(3)

~ 1 0 5 - ~ 2 1 0 4-8+ TPD → ability to support 105-210+ bundled leases

4 - 8 + Initial 4-8+ TPD dispensing capacity Modular for expansion flexibility

700 bar pressure (~10,000 psi) ~20 min fuel time, similar to diesel

#### ANNOUCNED PARTNERS





**Retail Stations** 

Behind the Fence

Beta station expected to be operational 1H 2023

Individual large customers

#### **ECONOMICS**

REVENUE

Nikola bundled-lease customers and other third parties

- MOLECULE COST Price of Hydrogen set by "Supply Co."

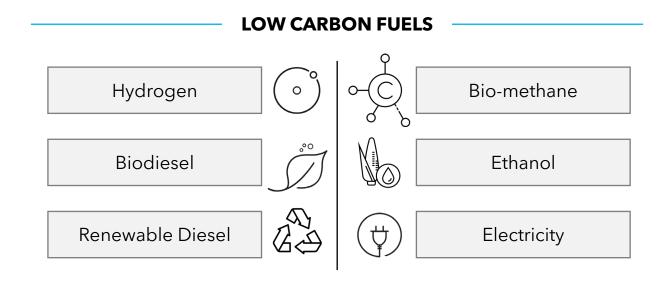
- DISPENSING COST CAPEX and costs of operating dispensing station

DISPENSING MARGIN Shared based on ownership in each individual dispensing SPV

- 1) Based on current expectations; subject to change
- 2) Nikola plans to own 0% 100% of any dispensing station SPV
- 3) Illustrative; subject to change

#### **DISPENSING INCENTIVES - CURRENT / POSSIBLE**

Low Carbon Fuel Standard (LCFS)



Credits generated through dispensing fuels produced with low carbon intensity (CI)

Designed to reduce CI of transportation fuel pool & increase use of low carbon and renewable alternatives

Goal to reduce CI of transport fuel **20% by 2030** 

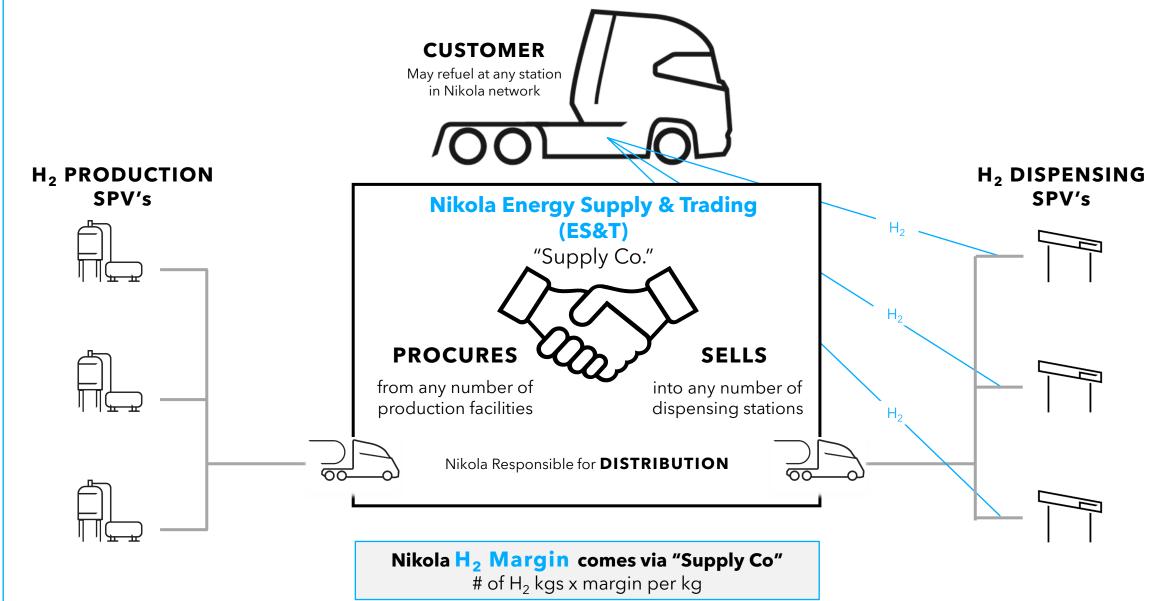
**Credits can be monetized** by credit sales (\$125-\$200 \$/MT LCFS recent range)

**Potential Incentive Value:** 

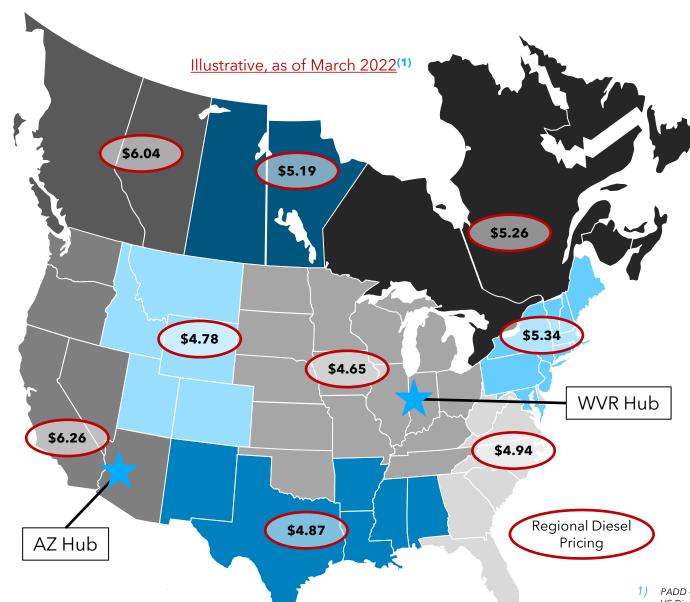
~\$0.94 - \$3.64 / kg<sup>(1)</sup>

#### **NIKOLA "SUPPLY CO." ILLUSTRATED**

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE



#### **HYDROGEN MARKET DRIVERS**



#### **ENTRY & EXPANSION DRIVERS**

- TCO competitive with diesel
- Favorable production economics in region
- Supportive government legislation
- High customer density
- Ability to leverage existing infrastructure

NIKOLA.

# Q & A

### **COMMERCIAL OVERVIEW**

	COMPANY INTRODUCTION
	TRUCK PORTFOLIO  - BEV  - FCEV
	MANUFACTURING
	H <sub>2</sub> FUELING ECOSYSTEM
05	COMMERCIAL STRATEGY
<b>05 06</b>	COMMERCIAL STRATEGY REGULATORY

01	COMMERCIAL STRATEGY
02	SALES PROCESS
03	CALIFORNIA HVIP
04	SALES FUNNEL OVERVIEW
05	MOBILE STRATEGY
06	FIXED INFRASTRUCTURE
07	DEALER AND SERVICE NETWORK

#### **SECTION PRESENTERS**



#### **PABLO KOZINER**

PRESIDENT, NIKOLA ENERGY AND COMMERCIAL

- Over 20 years of experience building and managing companies in the construction and energy industry
- Served as President at Solar Turbines from 2015-2019
- Previously served as Vice President / Regional Manager of Caterpillar Inc. from 2011 to 2014
- Education: BA from Boston College and JD from Boston College Law



#### **MARK KEITH**

GLOBAL HEAD, BUSINESS DEVELOPMENT AND SERVICE

- Over 28 years of experience within transportation, power solutions, sales and service
- Served in various roles, including Vice President, at Solar Turbines from 1997-2019
- Previously served as Senior Engineer at American Airlines from 1992 to 1997
- Education: BS from Texas A&M
- Executive Education: Thunderbird School of Global Management; Stanford Graduate School of Business

## NIKOLA

#### **COMMERCIAL KEY STRATEGIES**

#### OUR **OFFERING**



#### **ELECTRIC TRUCKS**

Battery-electric class 8 trucks Hydrogen fuel cell-electric vehicles



#### **ENERGY**

Battery charging solutions Hydrogen production & fueling stations



#### **SERVICE**

Dealer network in place to support sales and service

#### CUSTOMER SOLUTIONS(1)

#### DIRECT **PURCHASE**



- Vehicle
- Service & support plan through dealers

#### **BUNDLED** LEASE



- Vehicle
- Energy ( $H_2$  or charging)
- Service & support plan

## NIKOLA.

#### TRE BEV GO-TO-MARKET STRATEGY

PRODUCT

Class 8, Battery Electric Day Cab Tractor Charging Solutions Service Support

CUSTOMER

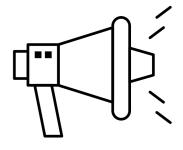
Local/Regional Day Cab Ops Innovative/Incentive-Driven Sustainability-Focused

TIMING(1)

US - March 2022 EU - 2023 CAN - 2024+

#### **SALES PROCESS**









Tour of Nikola HQ and/or Coolidge Manufacturing Plant

**Marketing Events** 

**Customer Demos** and Pilots

**LOIs and Orders** 

#### STATE INCENTIVES

#### **CA HVIP**

**\$120k - \$150k** Incentive (available March 30, 2022)

#### **NY TVIP**

Up to **\$185k** Incentive (Pending)

#### **Other Programs**

Other states considering

#### **PROGRAM DETAILS**

- Up to ~\$240M in total funding available next round (March 30, 2022 opening)
- OEM rolling limit of 100 vouchers outstanding
- Customer limit of 30-50 vouchers





POs for 20 Vouchers secured

Total add'l pipeline - 116 vouchers

#### **BEV SALES FUNNEL**

Nikola is building strong momentum from recent customer wins that provide visibility into a pipeline for 2022 and beyond (1)



#### **UP TO 425 UNDER LOI / MOU**



30(3) (LOI)



100(3)

(LOI)



10 (Order)



100(3)

(LOI)



25 (MOU)



100 (LOI)



10(3) (LOI)



50(3) (LOI)

1) Subject to execution of definitive agreements or POs, and ability to deliver trucks; subject to customer cancellation

3) LOIs based on satisfactory completion of the vehicle trials / demonstration programs

#### **BEV PIPELINE AS OF MAR 2022**

- 14 customers
- 126 trucks
- Success rate > 85%

**High Potential:** 

#### **High Interest:**

- 16 customers
- 285 trucks
- Success rate > 60%

#### **POTENTIAL 2022 DELIVERIES:**

300-500 BEVs

#### **FCEV SALES FUNNEL**

Nikola is building strong momentum from recent customer wins that provide visibility into a pipeline for 2022 and beyond (1)



#### **UP TO 1,010 UNDER CONTRACT /LOI / MOU**



**40** (LOI)



**70**(3)



**800**(2) (Contract)



100(3) (LOI)

### AS OF MAR 2022

UP TO 700+

#### **FOCUS FOR 2022**

- Prioritize California market
- Target top national fleets
- Leverage demos and BEV deployments
- Follow H<sub>2</sub> infrastructure roll-out

Continue to Build Demand Through 2H 2023 Launch

- Subject to execution of definitive agreements or POs, and ability to deliver trucks; subject to customer cancellation
- AB order for up to 800 FCEVs; subject to satisfaction of delivery timelines and vehicle specifications

  LOIs based on satisfactory completion of the vehicle trials / demonstration programs

#### **NEAR-TERM ENERGY SOLUTIONS - MOBILE FUELERS(1)**

#### **BEV & FCEV ADOPTION HURDLES**

Permanent infrastructure  $\rightarrow$  12-18 months to construct, permit, commission, and operationalize Requires a commitment to a specific location

> Nikola's mobile charging solutions are designed to solve near-term barriers to adoption





#### MOBILE CHARGING TRAILER

- To provide immediate charging solutions to fleets
- Locations → at depots or remote environments
- Low capital cost





Illustrative Rendering

#### **MOBILE FUELING TRAILER**

- Flexible solution to test/enter new H<sub>2</sub> dispensing markets
- Fleets can use to flex new routes or regions
- 200 700 bar<sup>(2)</sup> fueling options

#### FIXED INFRASTRUCTURE

#### **CHARGING PLAYBOOK - CONSULTING AND GUIDANCE**



Depot requirements electrical loads



Truck operational & duty cycle analysis



Charging optimization



Utility coordination rates an incentives



Dealer energy solutions



Key input to TCO modeling

#### **Charger Supplier**



Supplier since March 2020

#### **Dealer Network**



Deep expertise in power solutions

#### **Infrastructure Solutions Providers**

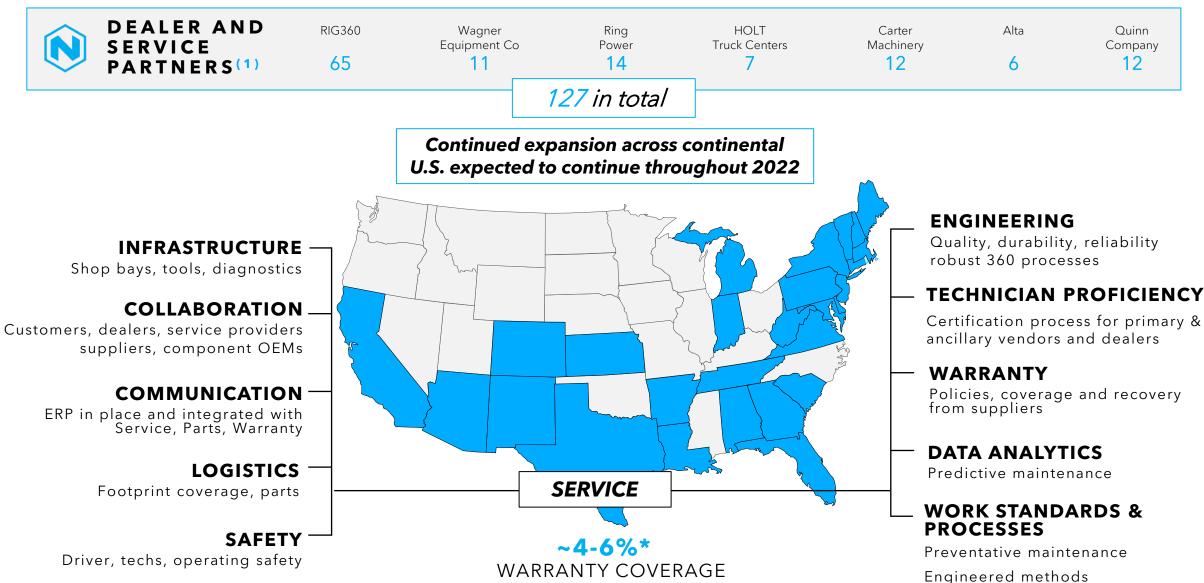






#### **DEALER AND SERVICE NETWORK**

The dealer network is essential to providing a national sales and service network for customers



\*of average sales price(1)

#### **DEALER DELIVERIES**

Nikola Motor Company

@nikolamotor

The #NikolaTreBEV is in a Southern state of mind & our sales and service dealer @ThompsonTrucks is ready to talk electric! If you're in the Nashville, TN area, visit their website at ThompsonTC.com to schedule a time to stop by & experience it!



Another pre-series #NikolaTreBEV depa Nikola HQ. This delivery is heading to ot 1.35 PM·Feb 4, 2022 · Agorapulse app

@holt\_truck in the Lone Star state. Who's up next?



2:10 PM · Feb 17, 2022 · Agorapulse app







Dealer-ready! The Nikola Tre #6 pre-series BEV truck is heading to our first sales and service dealer on the delivery list...Thompson Truck Centers in Nashville, TN! #NikolaDelivery @ThompsonTrucks



5:53 PM · Feb 1, 2022 · Agorapulse app

NIKOLA.

# Q & A

# BREAK

### **REGULATORY OVERVIEW**

	COMPANY INTRODUCTION
	TRUCK PORTFOLIO  - BEV  - FCEV
	MANUFACTURING
	H <sub>2</sub> FUELING ECOSYSTEM
	COMMERCIAL STRATEGY
06	REGULATORY
07	PEOPLE
	BUSINESS MODEL WALKTHROUGH

01	OVERVIEW
02	INCENTIVES
03	MANDATES
04	NIKOLA'S FOCUSED INITATIVES

#### **SECTION PRESENTER**



#### **BRITTON WORTHEN**

CHIEF LEGAL OFFICER

- Over 20 years of experience on commercial litigation, intellectual property, corporate formation, and governance, and real estate matters
- Served as a partner at the law firm of Beus Gilbert PLLC
- Graduated with honors from the University of Michigan Law School and completed his undergraduate studies at Brigham Young University

#### FEDERAL, STATE, AND FOREIGN INCENTIVES

Various federal, state, and foreign incentives provide favorable ZEV heavy-truck tailwinds

#### **FEDERAL**

- Infrastructure Jobs and Investment Act → (Signed Nov '21)
  - Regional Clean H<sub>2</sub> Hub Program (\$8B)
  - Ports Infrastructure Development Program (\$0.5B)
  - Charging and Fueling Infrastructure Program (\$2.5B)
- U.S. DOE Loan Program (\$40B)
  - Infrastructure technology to reduce emissions for a clean energy future





**INCENTIVES** 



CA Hybrid Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)

Tre BEV - up to \$150k/truck



NY Truck Voucher Incentive Program (NY TVIP)

Tre BEV up to \$185K/truck Pending **Approval** 



Low Carbon Fuel Standard (LCFS)

- Market-based credit program to reduce carbon intensity (CI)
- CA, OR, WA, and 8 additional states pending

#### **FOREIGN**

- Germany
  - Federal Ministry of Transport and Digital Infrastructure (\$7.9B)
  - 80% of the incremental cost of replacing a diesel truck with a ZEV truck



# **HEAVY TRUCK-SPECIFIC MANDATES**

Mandates and requirements specific to heavy-duty trucks are driving changes to transportation sector

## **MANDATES**

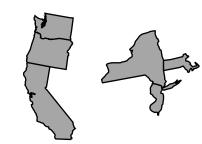
#### **FEDERAL**

- EPA → Proposed Clean Truck
   Rulemaking (Final YE '22)
  - Stronger NOx and GHG standards to reduce pollution starting model year (MY) '27



### **STATE**

- Advanced Clean Truck (ACT) Standard
  - MY '24/'25 through '35 zero emission truck sales require:
    - 55% of Class 2b 3
    - 75% Class 4 8 (Straighttrucks)
    - 40% truck-tractor
  - Adopted = 6 states
  - Pending = 8 states



#### **FOREIGN**

- MOU for zero-emission medium/heavy-duty vehicles signed Fall '21
  - Target for ZEV new truck/bus sales → 100% by 2040
  - Signed by: UK, Canada,
     Austria, Norway, Denmark,
     Finland, Switzerland, etc.



# **NIKOLA'S ACTIVE ROLE IN POLICY FORMATION**

Nikola is working to effect positive heavy-truck legislative activity

#### OKLAHOMA HYDROGEN LEGISLATION

- Voted to advance ZEV-related bill  $\rightarrow$  \$100k/zero-emission truck in tax credits
  - Cap up to \$10M each for BEVs and FCEVs
- Roadmap for other state ZEV incentive programs



#### **BUILD BACK BETTER**



- Climate-Related Tax Credits (Commercial Vehicle & H<sub>2</sub> Production)
  - Strong outreach & communication with key senators
  - o Purpose: to advance a climate tax package in spending bill

#### FEDERAL WEIGHT EXEMPTION AND ZERO-EMISSION TRUCK PILOT PROGRAM

- Working with Senate and White House to include hydrogen in federal weight exemption
- Plans to initiate a pilot program to study the impact of zero-emission truck deployment on the federal interstate system



NIKOLA.

# Q & A

# **PEOPLE OVERVIEW**

	COMPANY INTRODUCTION
	TRUCK PORTFOLIO  - BEV  - FCEV
	MANUFACTURING
	H <sub>2</sub> FUELING ECOSYSTEM
	COMMERCIAL STRATEGY
	REGULATORY
07	PEOPLE
08	BUSINESS MODEL WALKTHROUGH

UI	EXECUTIVE COMP STRATEGY
02	ALIGNMENT THROUGHOUT ORGANIZATION
03	WORKFORCE

# **SECTION PRESENTER**



#### **JOSEPH PIKE**

CHIEF HUMAN RESOURCES OFFICER

- Served as the Senior Director of Talent at Vista Outdoor
- Worked with the H.J. Heinz Company as a Business Partner for the company's corporate team supporting the CFO, General Counsel, CHRO, SVP of Marketing, SVP of Communications and SVP of Investor Relations
- Graduated with honors from the Marriott School of Management with a master's degree in Public Administration and cum laude with a bachelor's degree in Communications from Brigham Young University

# **EXECUTIVE COMPENSATION STRATEGY ALIGNED TO SHAREHOLDERS**

#### **RISK REFLECTED**

\$1

Executives make **\$1 cash** a **year** 

All other compensation is stock, creating a 99:1 at-risk pay ratio

#### **LONG-TERM ORIENTED**

3

Executive annual stock awards cliff vest after 3 years

Encourages long-term thinking and decision making

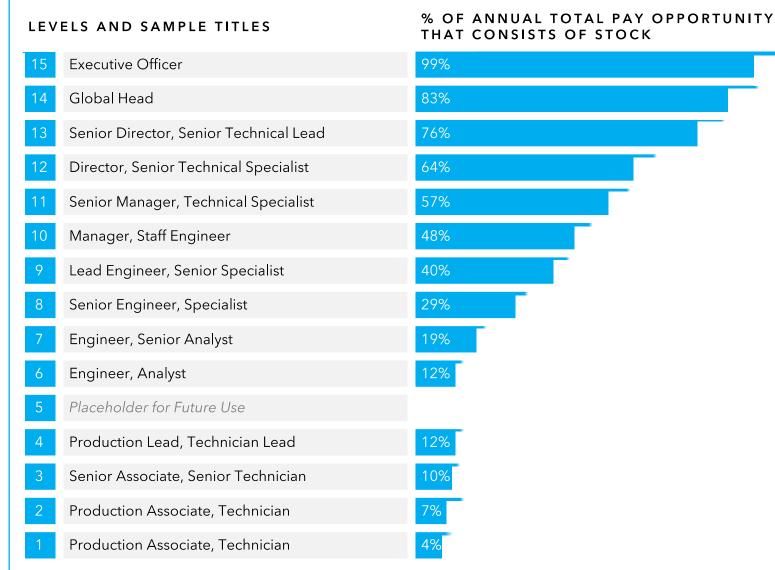
#### **SHAREHOLDER ALIGNED**



Executive performance awards are tied to shareholder gains in the form of stock prices hurdles (\$25, \$40, \$55)

Only earned if prices are met and maintained for a specified period

# **DRIVING A MENTALITY OF OWNERSHIP**



100%

**All our employees** hold stock and are eligible for annual performance-based stock awards.

#### PRODUCT-FOCUSED TEAMS

ENGINEERING, PURCHASING, DESIGN, MANUFACTURING, OPERATIONS, QUALITY, FUNCTIONAL SAFETY, ENERGY

856
85% of overall population
+128 hires YTD



#### COMMERCIAL AND SUPPORT

FINANCE, LEGAL, GOVERNMENT AFFAIRS, MARKETING, IT, BUSINESS DEVELOPMENT, SERVICE, FACILITITES, SAFETY, HR, SECURITY

## 156

15% of overall population +31 hires YTD

NIKOLA.

# Q & A

# **BUSINESS MODEL WALKTHROUGH**

	COMPANY INTRODUCTION
	TRUCK PORTFOLIO  - BEV  - FCEV
	MANUFACTURING
	H <sub>2</sub> FUELING ECOSYSTEM
	COMMERCIAL STRATEGY
	REGULATORY
07	PEOPLE
08	BUSINESS MODEL WALKTHROUGH

01	BUSINESS MODEL OVERVIEW				
02	TRUCK ECONOMICS  - BEV  - FCEV				
03	ILLUSTRATIVE BUNDLED LEASE OVERVIEW				
04	ILLUSTRATIVE H <sub>2</sub> VALUE CHAIN				
05	COOLIDGE CAPEX OVERVIEW				
06	OTHER ITEMS  - OTHER POTENTIAL REVENUE OPPORTUNTIES  - FUNDING OVERVIEW				

# **SECTION PRESENTER**

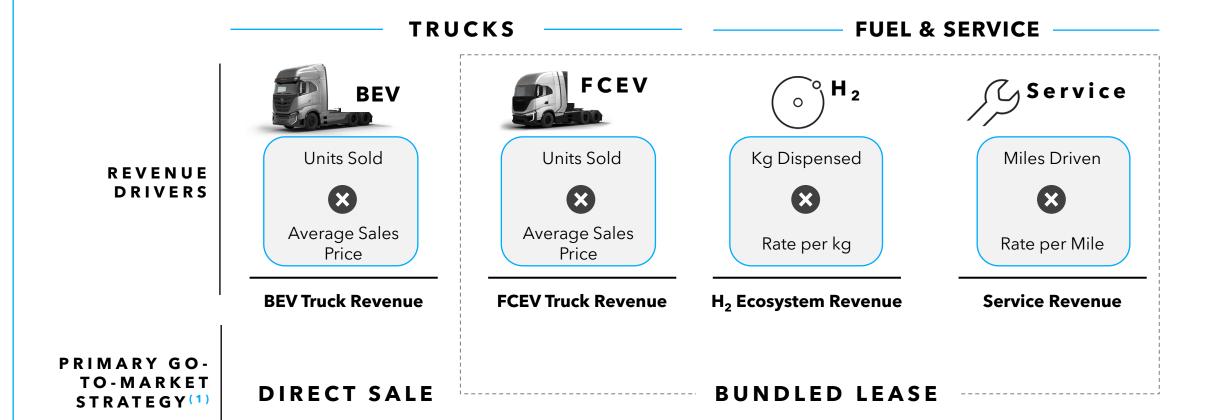


# KIM BRADY CHIEF FINANCIAL OFFICER

- Over 20 years of experience in principle investments, private equity, investment banking, corporate restructuring, and operational performance improvements
- Served as Partner and Sr. Managing Director at Solic Capital
- Previously, served as CFO and General Manager for various companies in manufacturing, business services, and healthcare
- Education: BS from Brigham Young University and MBA from Northwestern's Kellogg Graduate School of Management

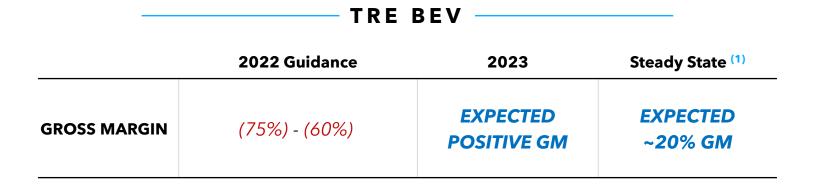
# **BUSINESS MODEL OVERVIEW**

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE



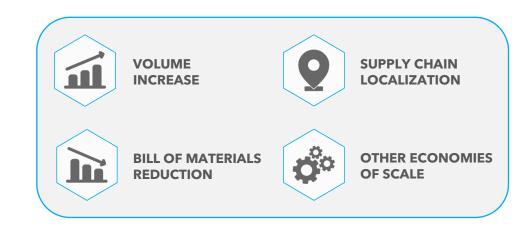
# **BEV UNIT ECONOMICS**

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE





#### **KEYS TO COST REDUCTION**



# **FCEV UNIT ECONOMICS**

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE



### TRE FCEV

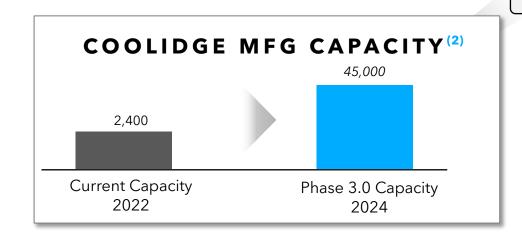
	At Launch 2H'23	2024	Steady State (1)
GROSS MARGIN	(75%) - (60%)	EXPECTED BREAKEVEN	EXPECTED ~20% GM

2H 2023 Launch of Tre FCEV

Break-even or positive gross margin expected in **2024** Coolidge capacity ~20,000 total units at 2023 launch







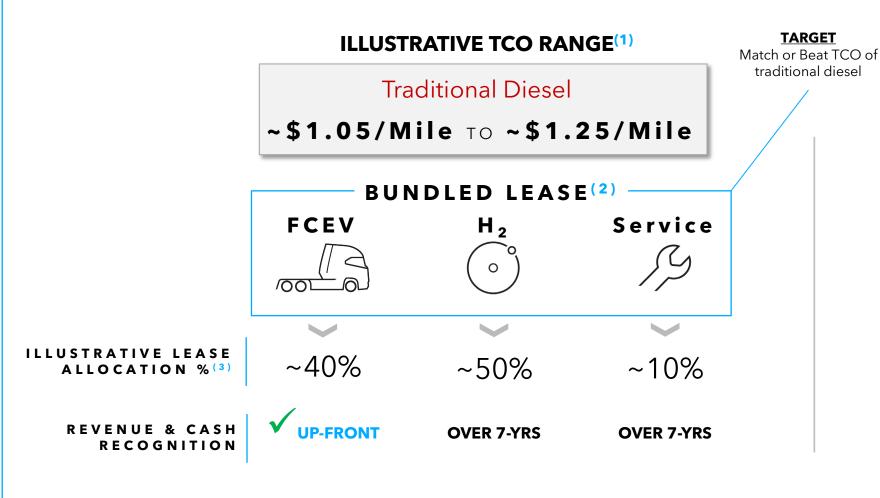
Steady state production expected in 2026+

<sup>2)</sup> Capacity = # of trucks the manufacturing facility is capable of building per annum. Volume = actual # of trucks SOLD per annum, subject to market penetration, ZEV adoption, supply chain, etc

## ILLUSTRATIVE BUNDLED LEASE - FCEV ONLY

Revenue from FCEV leases is allocated between Truck, Fuel, and Service

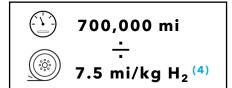
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### **EACH FCEV LEASE**

7-yrs or 700,000 miles (whichever comes first)





#### **Modeling Guidance**



PRICE





- 2) Bundled-lease payment may be structured as one contract, or may contain up to three separate contracts, subject to change

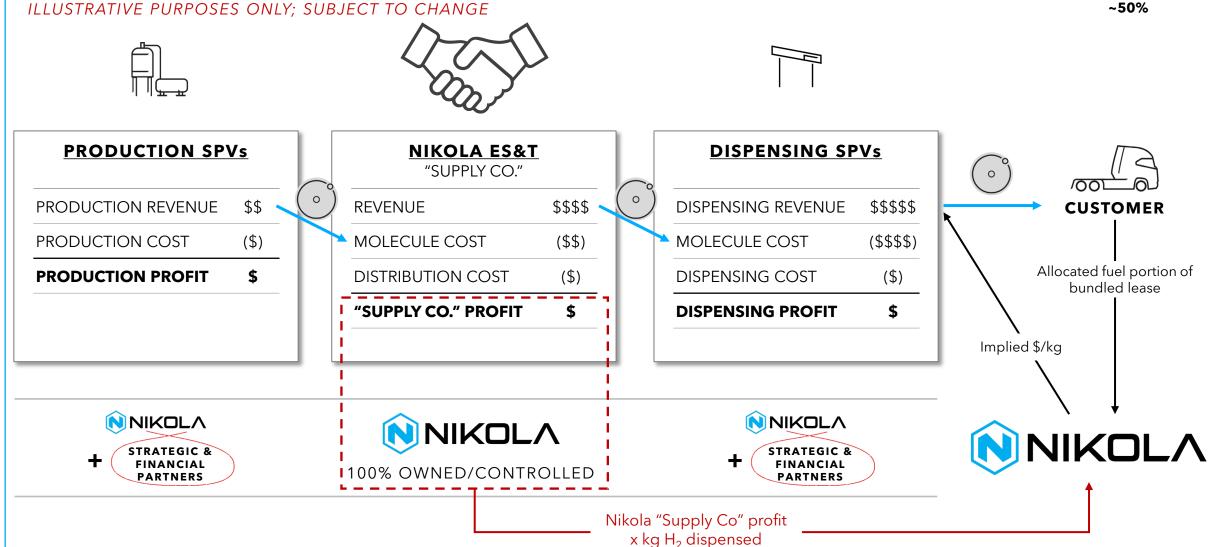
1) Illustrative per mile cost range for traditional diesel, management estimate only, actual costs vary customer by customer

- 3) Bundled-lease allocations rates may vary and are subject to change
- 4) Subject to change, 7.5 mile /kg efficiency may vary based on speed, temperature, topography, and payload

# ILLUSTRATIVE H<sub>2</sub> VALUE CHAIN

Each Step in Value Chain Captures Profit as Molecule Moves from Production to Customer

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE



**BUNDLED LEASE** 

# ILLUSTRATIVE IMPACT OF H<sub>2</sub> INCENTIVES

"Supply Co." captures benefits of tax or monetized credits through value chain through increased margins

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE

## **PRODUCTION SPVs**

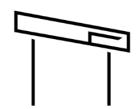






~50%

### **DISPENSING SPVs**



# PRODUCTION TAX CREDITS

# of eligible kgs produced

★ Credit \$/kg H₂ Produced

**PRODUCTION TAX CREDITS** 

Offsets costs of production

Allows lower sales price to "Supply Co."

**Optimize Margin at "Supply Co."** 

#### **LCFS CREDIT**

# of eligible kgs dispensed

 $\mathbf{X}$  Credit \$/kg H<sub>2</sub> Dispensed

**LCFS CREDITS** 

Higher Price/kg Sold into Dispensing Stations(1

Lowers Molecule Cost to "Supply Co."

Increases Molecule Revenue to "Supply Co."

# **COOLIDGE CAPEX OVERVIEW**

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE

Includes Phase 2.0 facility and capacity expansion, commence buildout of FCPM assembly line, & test track facilities



EST. CAPEX	SPEND THRU DEC'21	2022	2023	TOTAL SPEND	
PHASE CAPEX	~\$105M	~\$150M	~\$345M	~\$600M	
BUILDING	~\$85M	~\$70M	~\$95M <b>C</b>	~\$250M D	
EQUIPMENT A	~\$20M	~\$80M	~\$100M C	~\$200M	
PAINT & WELD B	\$0	\$0	~\$150M	~\$150M	

A Equipment includes truck capacity expansion and **fuel cell power module (FCPM)** assembly

Includes buildout of **phase 3.0 building and equipment** capacity plus the ramp up of FCPM assembly capabilities

Inclusion of paint and weld facilities and equipment subject to final make vs. buy decision (decision by Q2 2022)

To reduce overall CAPEX Nikola may consider entering into a **sale-leaseback agreement** upon plant completion

# ADDITIONAL REVENUE GENERATION & INCOME OPPORTUNITIES

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- OPPORTUNITY		- REVENUE MO	DEL ——	- DESCRIPTION -	
		Ulm production capacity	[# units]		
50/50 European JV with IVECO	****	Allocation to Nikola	50%	Nikola and IVECO purchase trucks from	
	* *	ASP	\$\$	the JV for sale in the EU market (1)	
		REVENUE	Nikola units x \$\$		
		Eligible H <sub>2</sub> kg dispensed	[# of kgs]	LCFS Credits are currently available in	
DISPENSING CREDITS		LCFS credit / kg	\$\$	California, Oregon, and Washington,	
		REVENUE PER SATION	kg x \$\$	and likely to expand	
H <sub>2</sub> PRODUCTION TAX CREDITS	Ä	Eligible H <sub>2</sub> kg Produced	[# of kg]	Production Tax Credits are currently being considered (45Q, PTC, etc.). If	
		Production Tax Credit / kg	\$\$ 	formally adopted, would serve to	
	יו יו <del>אב א</del> בי	REVENUE PER HUB	Kg x \$\$	reduce overall NET cost of production	

# **FUNDING OVERVIEW**

ILLUSTRATIVE PURPOSES ONLY; SUBJECT TO CHANGE

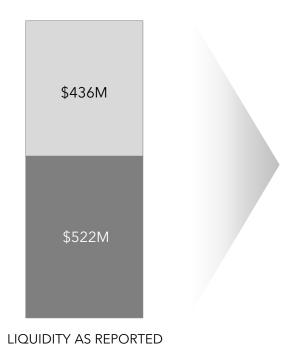
#### REPORTED LIQUIDITY

as of 12.31.21

- ELOC Balance as of Dec. 31, 2021
- FY21 Reported Cash

#### ~\$958M

12.31.21



## **FUNDING OVERVIEW**

~\$958M AVAILABLE LIQUIDITY AS OF 12/31/21

2022 NET CASH SPEND EXPECTED \$720M - 775M TARGET TO ALWAYS
MAINTAIN LIQUIDITY
FOR NEXT 12 MONTHS

REMAIN FLEXIBLE AND OPPORTUNISTIC WHEN FUNDING FUTURE CAPITAL NEEDS

## **Key 2022 Milestones for Nikola**

Deliver 300 - 500 production Nikola Tre BEVs to customers

Successful pilot testing of Tre FCEV alpha trucks with customers (Anheuser-Busch, TTSI, and others)

Build, test, and validate Tre FCEV beta trucks

Announce location, break ground, and commence construction of the first hydrogen production hub in AZ

Announce two or more dispensing station partners in CA

NIKOLA.

# Q & A



