Investor Presentation

March 2021

Nasdaq & TSX: BLDP



Forward-Looking Statements

This presentation contains forward-looking statements, including: estimated revenue; gross margin; cash operating costs; adjusted EBITDA; product cost reductions; liquidity; market size and growth projections; customer value propositions; and expected sales and product shipments. These forward-looking statements reflect Ballard's current expectations as contemplated under section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Any such forward-looking statements are based on Ballard's assumptions relating to our financial forecasts and expectations regarding our product development efforts, manufacturing capacity, and market demand.

These forward-looking statements involve risks and uncertainties that may cause our actual results to be materially different, including, general economic and regulatory changes, detrimental reliance on third parties, successfully achieving our business plans and achieving and sustaining profitability. For a detailed discussion of these and other risk factors that could affect Ballard's future performance, please refer to our most recent Annual Information Form. Readers should not place undue reliance on Ballard's forward-looking statements and Ballard assumes no obligation to update or release any revisions to these forward-looking statements, other than as required under applicable legislation.

All amounts are consolidated to include Ballard Power Systems Europe A/S, Ballard Unmanned Systems Inc., Guangzhou Ballard Power Systems Co., Ltd., and Ballard Fuel Cell Systems Inc. Results are in U.S. dollars, unless otherwise noted.



Ballard by the Numbers

42YEARS





























Sustainable Competitive Advantages

- ✓ Deep fuel cell expertise and talent pool
- ✓ Leading PEM technology and IP
- ✓ Comprehensive product portfolio
- ✓ Vertical integration
- ✓ Unparalleled field experience
- ✓ Customers and industrial partnerships
- ✓ Powerful brand
- ✓ Balance sheet strength



Global momentum to address climate crisis



49 countries

with CO₂ pricing initiatives

75 countries

with net zero targets

32 countries

with hydrogen strategies



Hydrogen is most competitive in heavy duty motive applications

Our focus is on applications where hydrogen fuel cells have a clear advantage

Why medium- and heavy-duty motive applications?



Strong value proposition

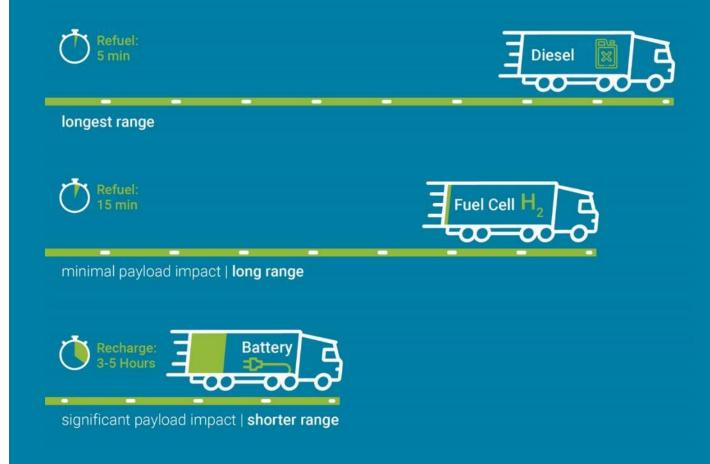
Centralized depot refueling

Disproportionate emissions from hard-to-abate mobility

Electrification without impact to operation or profitability

- Fuel cell trucks can haul a similar payload to a diesel truck
 - Future fuel cell truck weight reductions through lower weight storage tanks and improved integration
- Fuel cell trucks are refueled quickly to maximize revenue
 - Battery recharging downtime prevents full utilization of the truck

Fuel Cell Trucks: The Best Zero-Emission Alternative to Diesel





Heavy-Duty Mobility market represents a very large opportunity for Ballard

Estimated Total Addressable Market over \$130b (engine)

with market share estimates of **55GW** for FC engines by 2030



\$14 billion

450,000 buses & coaches

100kW/bus



\$100 billion

4 million MHD trucks

200kW/truck



\$4 billion

8,500 electric hybrid trains

600kW/train



\$13 billion

8,000 propulsion systems

2 MW/vessel

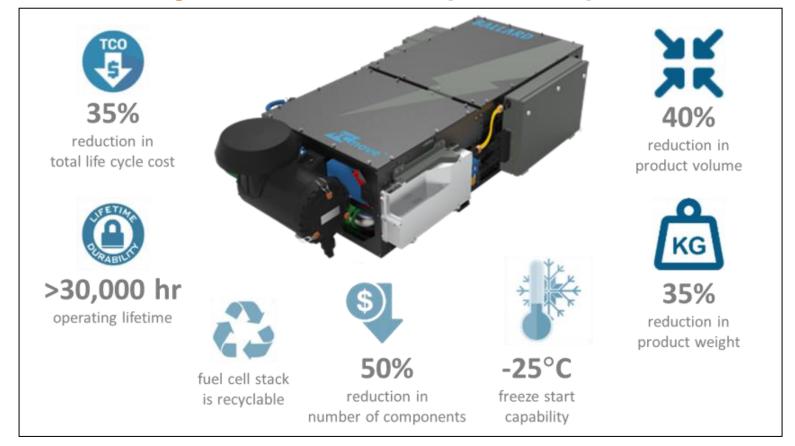
Comprehensive Range of Fuel Cell Products to Address Multiple Applications

	Product Line		Applications	Products			
Level of integration ← §	Fuel cell components	MEAs and bipolar plates	All applications				
	Fuel cell stacks	Air and liquid cooled stacks from 400 W to 120 kW	Motive (buses, trucks, forklifts, cars) and critical infrastructure backup power	FCvelocity° – 9SSL FCgen° – 1020ACS FCgen° – HPS FCgen° – LCS			
	Fuel cell modules	Heavy duty power modules from 30 kW to 200 kW	Heavy duty motive (buses, trucks, trains and ships)	FCwave™ FCwave™			
↓ High	Fuel cell stationary systems	Stationary systems from kW to MW's	Critical infrastructure backup power Distributed scalable power generation systems	FCcen°-H2PM /CLEAR Gen™			



Product Innovations Achieve Significant Performance & Lifecycle Cost Improvements

Current generation FCmove™ product improvements



We are powering thousands of heavy-duty vehicles globally.

















Proven field performance in various duty cycles, operating conditions and weather conditions



75+ million km

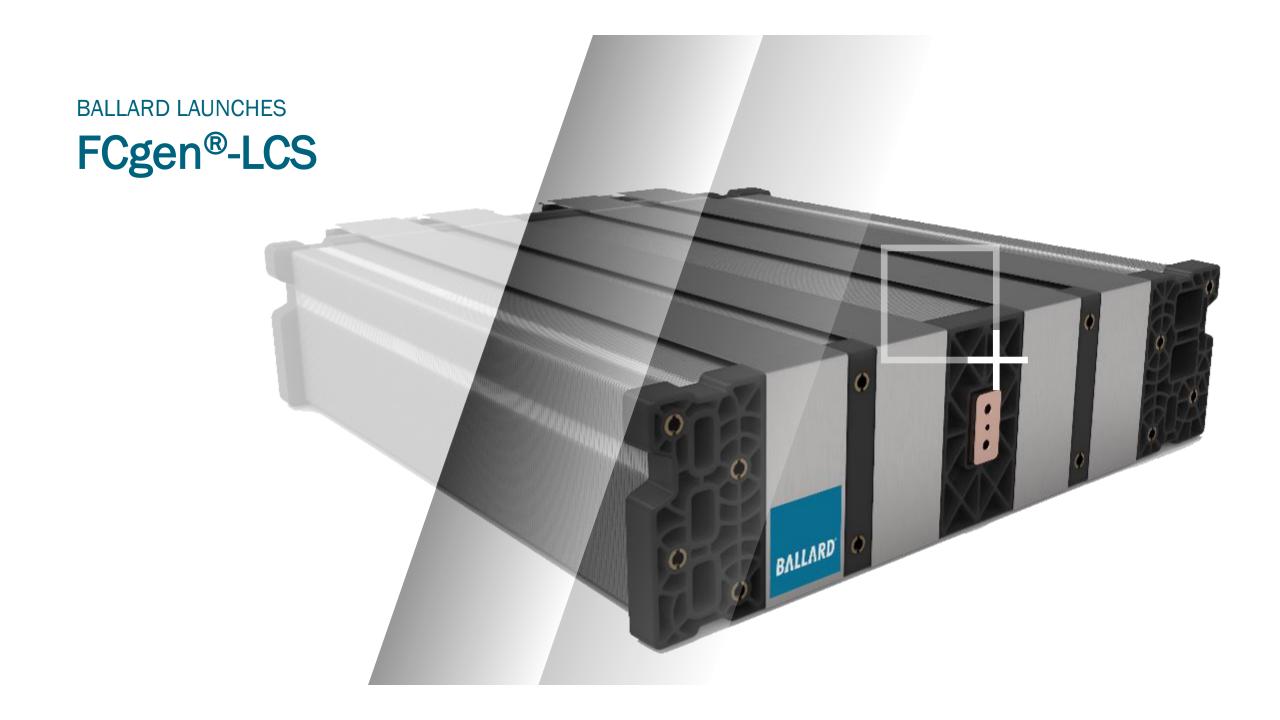
cumulative kms driven

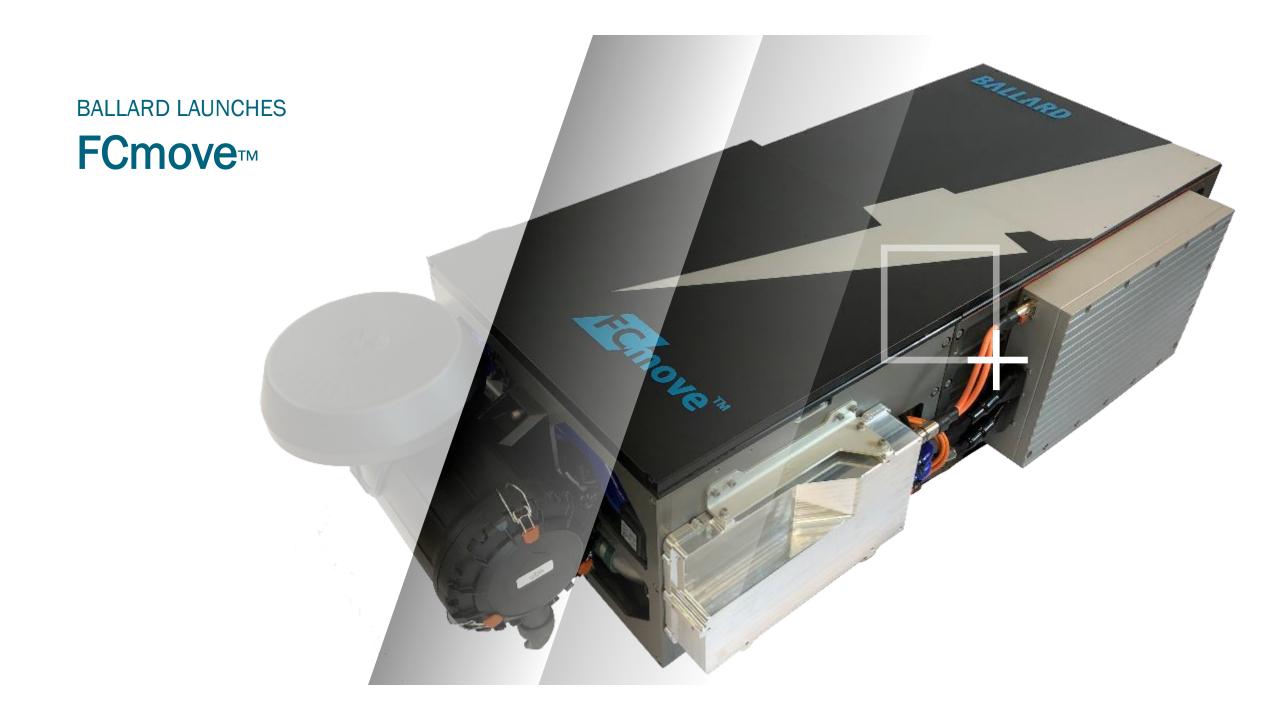
35,000+ hours

proven field durability

97% uptime

high availability rate in 2020













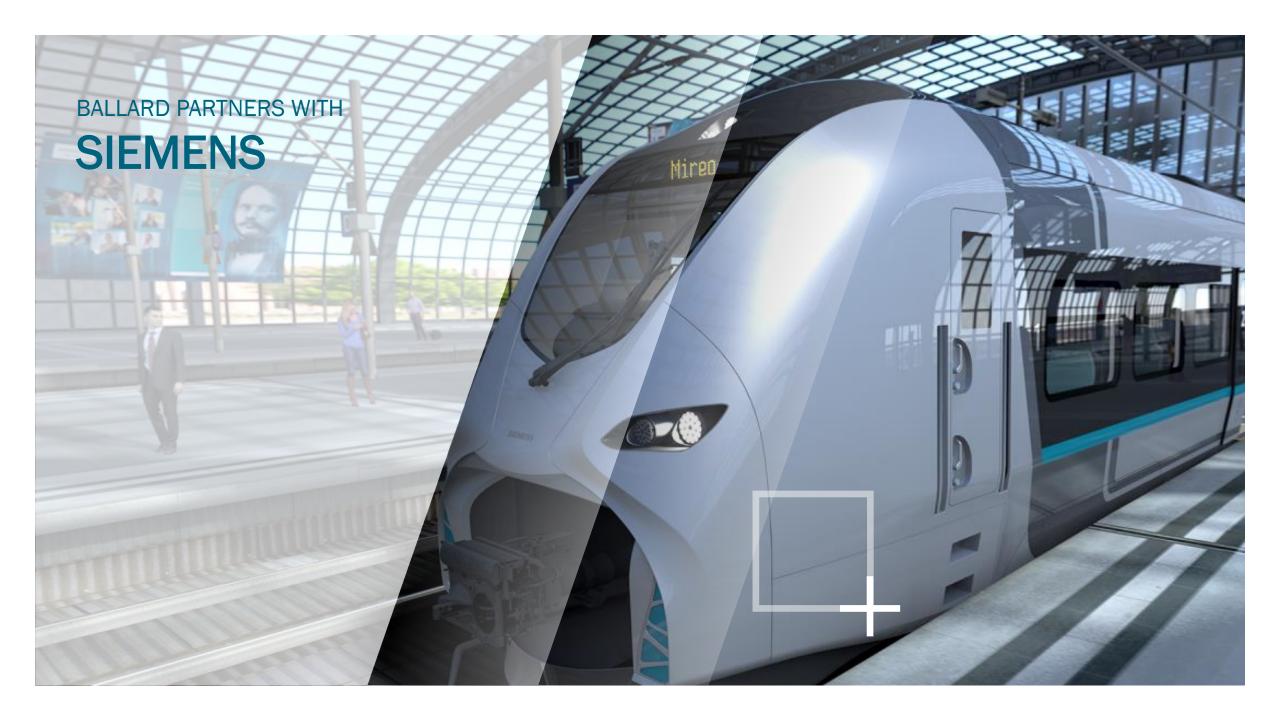




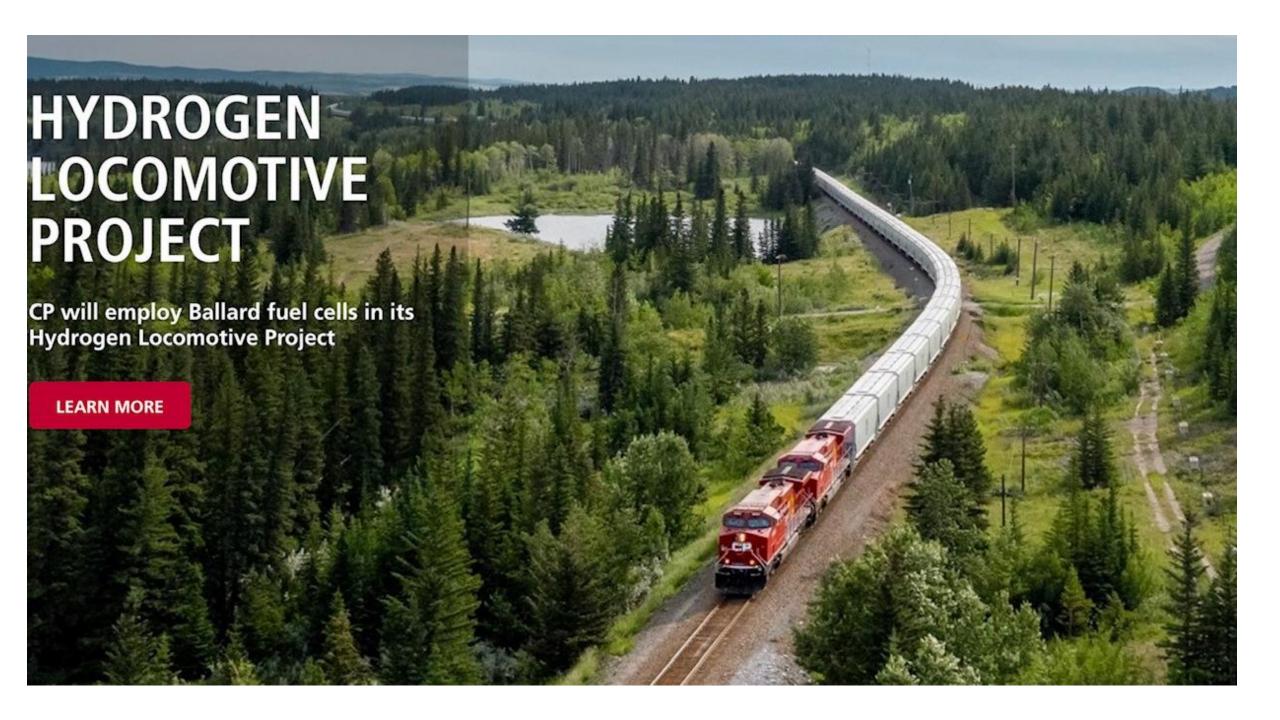












Zero-emission requirements are coming to the marine industry



IMO phasing-out GHG

\$50% by 2050

Norway protecting heritage fjords

100% zero-emission by 2026

Europe EMSA to cut CO₂

50% by 2050



Ballard is Investing in the Emerging Marine Market

- FCwave[™] 200kW expected to be first fuel cell module that is Type Approved
- Marine Center of Excellence established in Denmark
- Estimated 2,000 MW opportunity by 2030



Gaining marine experience & building partnerships

- Development of MW scale systems for cruise ships with ABB
- HySeas III, the world's first sea-going renewables-powered ferry
- H2PORTS project to facilitate hydrogen power at Europe's ports
- FLAGSHIPS project to power:
 - Norled ferry in Norway
 - River barge in France (ABB)
- Norled Hjelmeland liquid hydrogen ferry
- ELEKTRA fuel cell river barges in Germany







Weichai Ballard Hy-Energy Technologies Co. Ltd. (WBJV)

- Located at Weifang, China
- GIGA SHANDONG ONE
 - o Floor space: 225,000 sq ft.
 - Certification: IATF16949; LC720161
 - Capacity: 34,000 stacks (2GW equivalent)
 - 20,000 modules
- Exclusive licensed manufacturer of LCS fuel cell stacks and LCS-based modules in China
- 180 employees as of August 2020









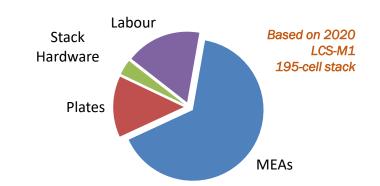




Development in Europe

- Collaboration agreement with MAHLE International signed October 1st 2020, to focus on \$100B annual truck engine market, initially in Europe
 - MAHLE is a major Tier 1 supplier with €12B in sales
 - Components in 50% of all vehicles
 - 10+ years experience in fuel cell component supply
- Ballard is responsible for fuel cell system and stack subsystem MAHLE's scope of work includes BoP, thermal mgmt., power electronics, system assembly

Ballard '3x3' Cost Reduction Plan



Contribution to

Cost Reduction



'3x3' fuel cell STACK cost reduction project targeting >70% reduction

Engineering Design delivering MEA and Plate, performance and lifetime
improvements with lower cost materials

Supply Chain developing suppliers and agreements for volume supply

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Advanced Manufacturing minimising waste (materials and labour) and developing high volume automated manufacturing solutions providing high yield

24%

35%

'3 x 3' plan expected to deliver 70%+ cost reduction by 2024 for the stack in 3 key functional areas

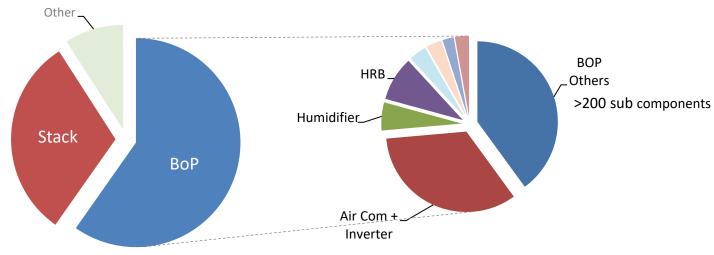


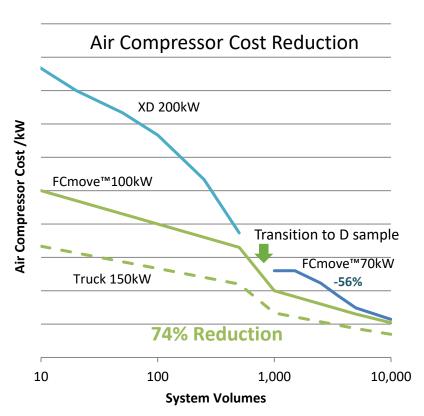
System Cost Reduction

Expected impact of BoP cost reduction



Major BoP component (Air compressor, HRB, Humidifier, Coolant Pump) cost reduction based on **partnerships** with Tier 1 suppliers, leveraging bus and passenger car volumes





System cost breakdown based on 2020 FCmove 70 kW, low volume, including warranty. Other includes DL for assembly, VOH, Delivery

Major BoP component costs expected to reduce by >70% as Tier 1's transition to 'series' production

BALLARD Global Manufacturing Capacity

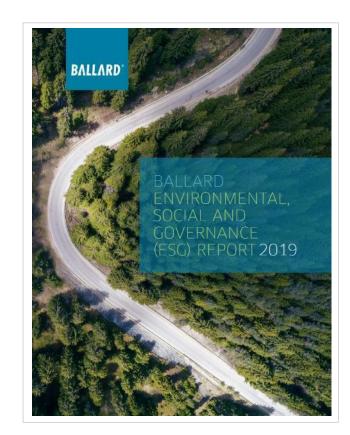
Vancouver Capacity	2019	2020†	~2025‡		2.4	±					
MEAs	1.0m	6.0m	10.2m								
Gigawatt Equivalent Vehicle Equivalent*	0.24 <mark>2</mark> k	1.66 12k	2.90 20k		Hobro HD Capacity	2019	2020	2023 [‡]			
Stack Assembly	2.6k	27k	27k		FCmove™Module Asse	mbly -	50	100			
Gigawatt Equivalent	0.24	1.66	1.66	A Company							
HD Module Assembly	0.2k	5k	10k	346							
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III MEA Manufactu			P DESCRIPTION OF THE PROPERTY								
MEA Manufactu					9						
MEA Manufactur Stack Assembly								*			

BALLARD ESG Commitment

Published inaugural ESG Report in April 2020

Carbon neutral by 2030

Committed to continued enhancement of ESG reporting





Investment Thesis

- Strong Policy Complex is Developing, Underpinned by MegaTrends
 - Decarbonization; air quality improvement; electrification of vehicles
 - 2. Large Attractive Addressable Markets
 - Business model leverage & diversification with TAMs totaling >\$130b
 - Global Leadership Position in PEM Fuel Cells for M/HD Motive
 - 40 years of investment; highest market share; >75m km in the field
 - 4. Sustainable Competitive Advantages
 - Talent; IP; technology; product portfolio & roadmap; customers and partners
 - 5. High Growth Trajectory
 - Revenue scaffolding with potential for multi-billion-dollar top line by 2030
 - 6. Strong Financial Position
 - Solid balance sheet; revenue ramp; GM expansion; costs leverage; capacity in-place
- 7. Embedded Optionality
 - Long-term exposure in automotive, material handling, aerospace, off-road and stationary

BALLARD Q4 & Full Year 2020 Results

(Millions of U.S. dollars)	Q4 2020	Q4 2019	% Change	FY 2020	FY 2019	% Change
REVENUE	Q+ 2020	Q+ 2013	70 Change	11 2020	11 2013	70 Change
Fuel Cell Products & Services Revenue:						
Heavy Duty Motive	\$11.9	\$21.4	-44%	\$47.7	\$35.4	35%
Material Handling	\$0.9	\$1.9	-51%	\$5.3	\$10.8	-51%
Backup Power	\$2.1	\$2.0	5%	\$5.6	\$3.0	88%
Sub-Total	\$15.0	\$25.4	-41%	<i>\$58.6</i>	\$49.1	19%
Technology Solutions	\$13.6	\$16.4	-17%	\$45.3	\$56.6	-20%
Total Fuel Cell Products & Services Revenue	\$28.6	\$41.8	-32%	\$103.9	\$105.7	-2%
PROFITABILITY						
Gross Margin \$	\$5.6	\$8.6	-34%	\$21.0	\$22.3	-6%
Gross Margin %	20%	21%	-1-point	20%	21%	-1-point
Operating Expenses	\$19.6	\$15.6	26%	\$60.7	\$47.8	27%
Cash Operating Costs	\$16.4	\$13.1	25%	\$50.0	\$38.8	29%
Equity Gain (Loss) in JV & Associates	(\$4.3)	(\$3.0)	-43%	(\$12.6)	(\$11.1)	-14%
Adjusted EBITDA	(\$14.5)	(\$7.0)	-105%	(\$38.9)	(\$26.6)	-46%
Net Loss	(\$14.4)	(\$9.8)	-47%	(\$49.5)	(\$35.3)	-40%
Earnings Per Share	(\$0.05)	(\$0.04)	-28%	(\$0.20)	(\$0.15)	-31%
CASH						
Cash Provided (Used) by Operating Activities:						
Cash Operating Income (Loss)	(\$6.7)	(\$3.9)	-72%	(\$25.8)	(\$14.1)	-83%
Working Capital Changes	\$0	\$8.0	-100%	(\$17.1)	(\$0.1)	-17,000%
Cash Used By Operating Activities	(\$6.7)	\$4.1	-262%	(\$42.9)	(\$14.2)	-202%
Cash Reserves	\$763.4	\$147.8	417%			