



Every drop counts.

# **BADGER METER INVESTOR PRESENTATION**

October 2019



# FORWARD LOOKING STATEMENTS

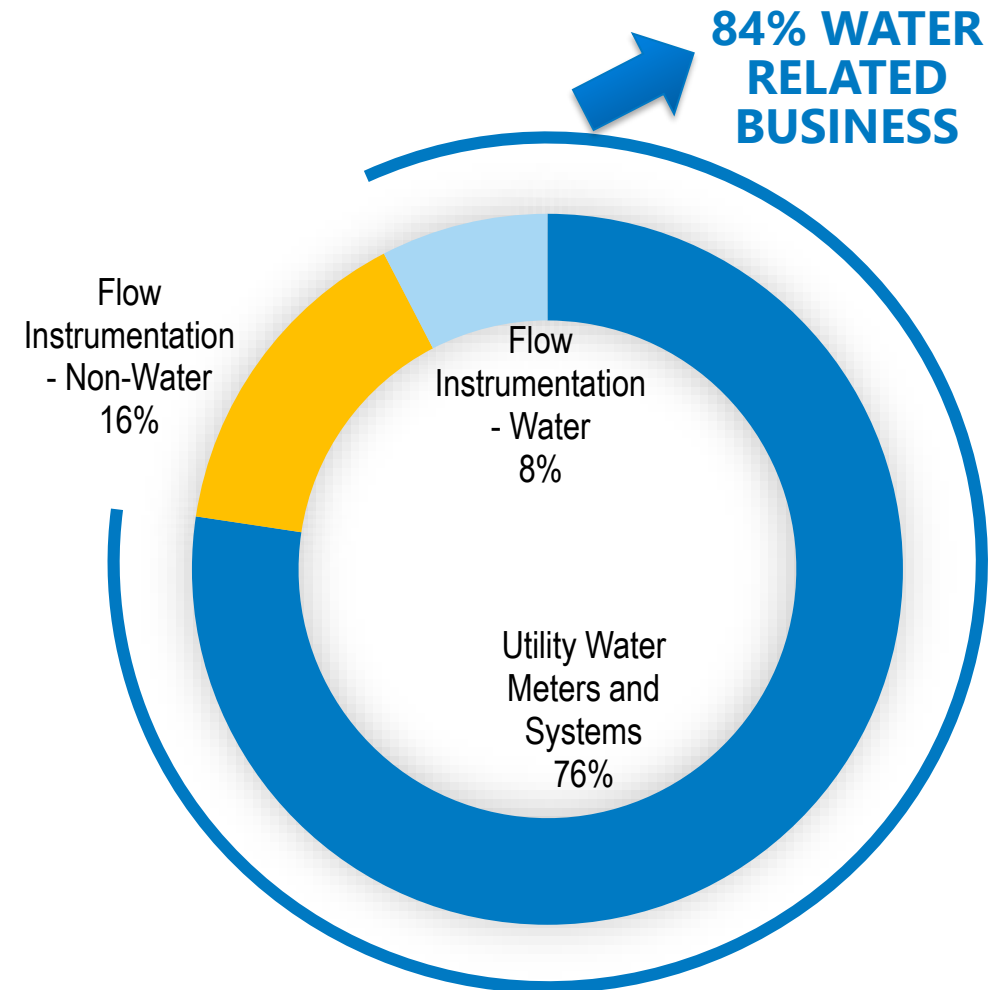
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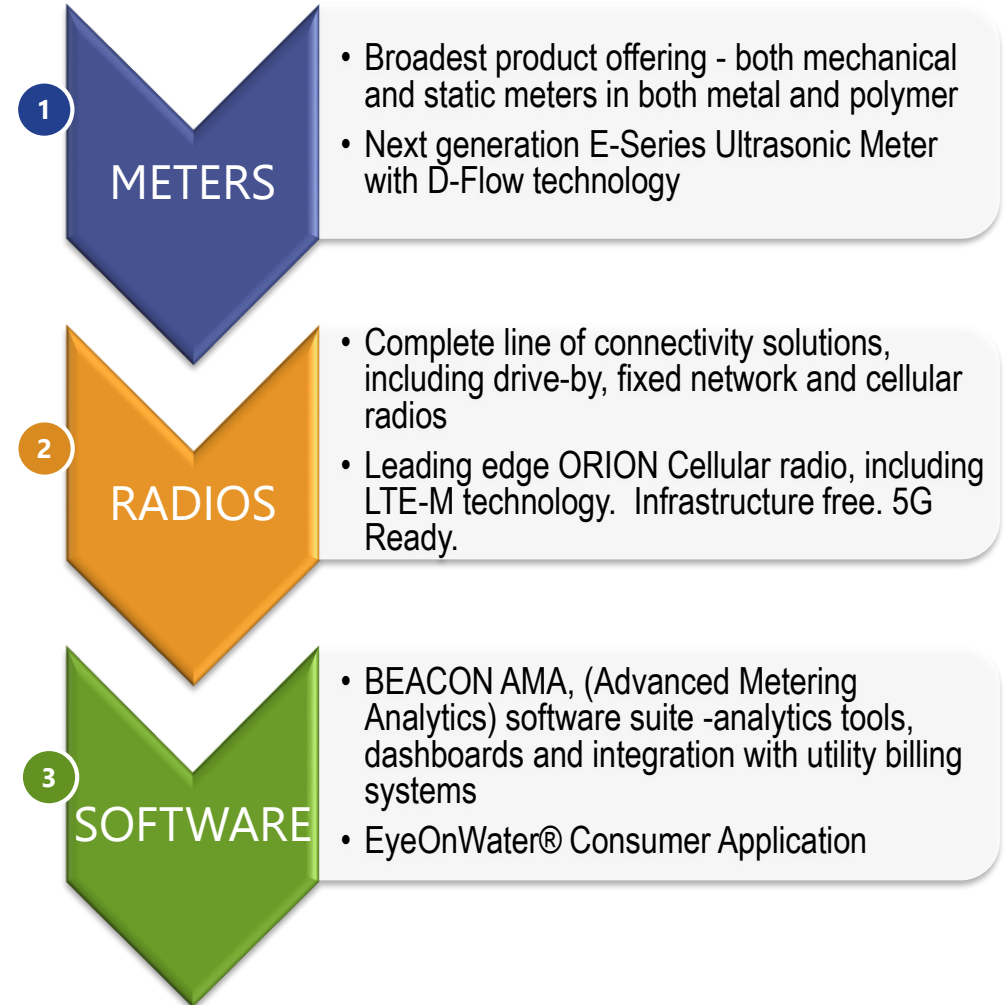
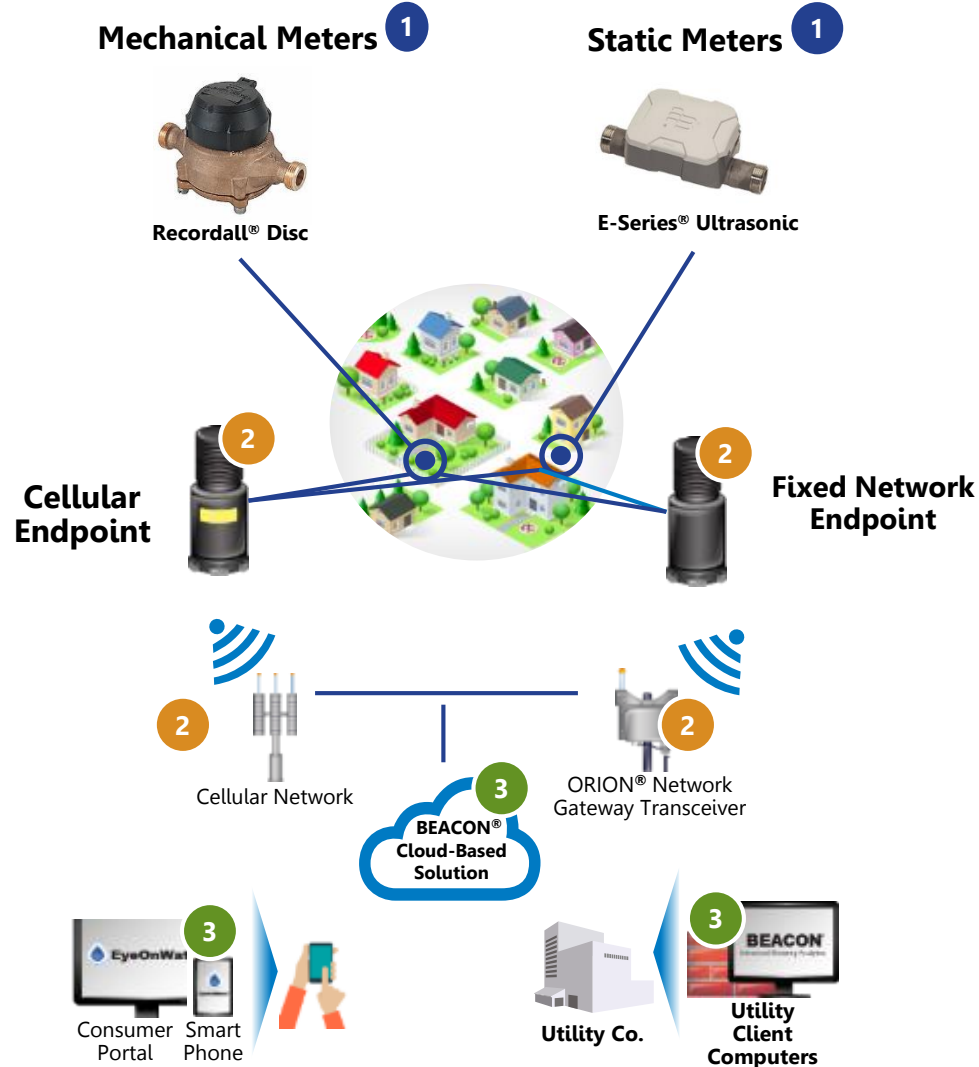
# BADGER METER IS A WATER FOCUSED, FLOW MEASUREMENT LEADER

- Integrated technology company providing a comprehensive suite of flow measurement, connectivity and software / analytics solutions to a diverse customer base
- Industry leader in North American water metering, with a strong global position in flow metering technologies
- Attractive, long-term industry growth fundamentals:
  - Stable business model supported by replacement demand
  - Strong position in growing markets
- Culture of innovation and investment in R&D drives new product/service expansions
- Premium financial profile and exceptional operational track record





# UTILITY WATER-INTEGRATED SOLUTION OFFERING





# SMART WATER ACCELERATION

## The Business Case

Why are utilities willing to pay more?

- Reduce non-revenue water (NRW)
  - Mechanical meters lose accuracy over time
  - Leak detection
- Lower operating cost / improve efficiencies
  - Move out reads / billings
  - Remote shut-off for non-payers
- Encourage conservation
  - Manage what you measure
  - Leak avoidance / fix

## The Solutions

How our leading technologies deliver

- Meters
  - Static (E-series ultrasonic) holds accuracy over lifetime; commercial sizes
- Radio
  - Data and analytics – more data, more often
  - Cellular – infrastructure-free for utilities; enables efficiencies for remote shut-offs, move-outs, installation pacing
- Software
  - Leak identification / detection
  - EyeOnWater App for consumer awareness

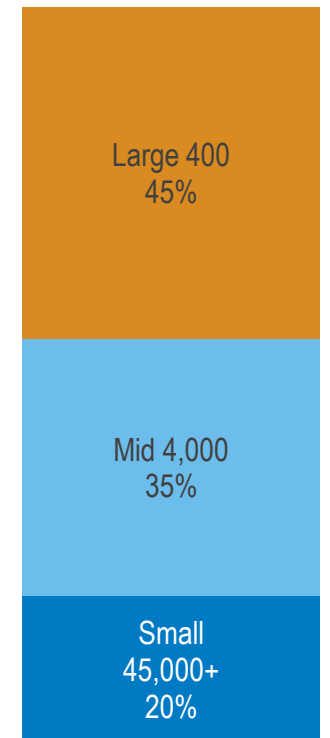


# COMPETITIVE ADVANTAGES – WHY BADGER METER WINS

Broadest Range of Offerings – Choice Matters	<ul style="list-style-type: none"> <li>• Brass and polymer</li> <li>• Mechanical and electronic (ultrasonic)</li> <li>• Drive by, fixed and cellular radio technology</li> </ul>
Technology Leadership	<ul style="list-style-type: none"> <li>• Well established E-Series ultrasonic expertise – maintains accuracy and lower cost circuit boards</li> <li>• ORION Cellular – leverages existing infrastructure and coverage</li> <li>• BEACON/Eye on Water – actionable data for utility and homeowner</li> </ul>
Innovation	<ul style="list-style-type: none"> <li>• D-Flow technology for performance enhancement and cost reduction</li> <li>• LTE CAT-M (data) – Smart water / “Smart City”</li> </ul>
High Service Levels and Customer Support	<ul style="list-style-type: none"> <li>• Strong brand preference</li> <li>• Channel coverage - regional service center and local distribution to cover smaller utilities</li> <li>• Highly trained Solution Architect, customer care and field technology support</li> </ul>
Low Lifecycle Costs	<ul style="list-style-type: none"> <li>• Highly accurate and quality products / low warranty</li> <li>• Exceptional battery life</li> <li>• Leverage existing cellular technology network</li> </ul>

**>50K Water Utilities in US**

Utility Size/Share of Meters





# THIRD QUARTER FINANCIAL SNAPSHOT

(US\$ in millions, except per share data)

	<u>Q3 2019</u>	<u>Q3 2018*</u>	<u>Change</u>
Sales	\$108.6	\$110.6	-1.8%
Gross Margin	41.7 38.4%	43.9 39.7%	-5.2% (130) bps
SEA	25.2 23.2%	26.1 23.6%	-3.3% 40 bps
Adj. Op Income	16.4 15.1%	17.8 16.1%	-7.9% (100) bps
Adj. Income Tax Rate	22.1%	22.8%	
Adj. EBITDA	22.1 20.3%	23.8 21.5%	-7.1% (120) bps
Adj. EPS	0.44	0.46	-4.3%
Free Cash Flow	\$19.1	\$12.7	

\* 2018 Adjusted figures exclude pension termination and executive retirement charges. See appendix for reconciliation of GAAP to Non-GAAP measures

- Global municipal water sales down 3%; up 2% in domestic market against a near-record comparison; favorable mix to higher technology products and services
- Flow instrumentation sales increased 1% across various industrial end markets
- Strong margins on positive product and regional sales mix, as well as favorable price/cost; discrete warranty provision outside North America
- SEA leverage; lower incentive comp and spend controls
- Free cash flow increase of 50%





## 2019 AND BEYOND

- Launch of E-Series ultrasonic meter in additional sizes - both a technology enhancement and cost improvement
- LTE-M cellular which is 5G ready - coverage, performance and lower cost
- Cellular wins across multiple utilities of various sizes thus demonstrating its position as the AMI system of choice, including substantial wins with:
  - Columbia SC
  - Aurora CO
- AT&T Smart City Alliance
  - Leverage Mayor / “C-Office” relationships
  - Leading edge of cellular / IoT technology
- International penetration in select regional markets
- Disciplined and strategic tuck-in acquisitions

*E-Series Ultrasonic Meters*



*ORION Cellular End Points*



*BEACON Analytics*

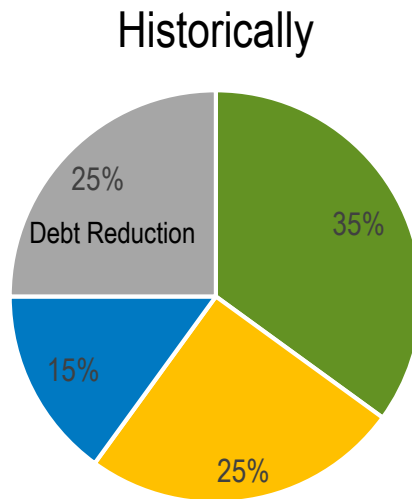




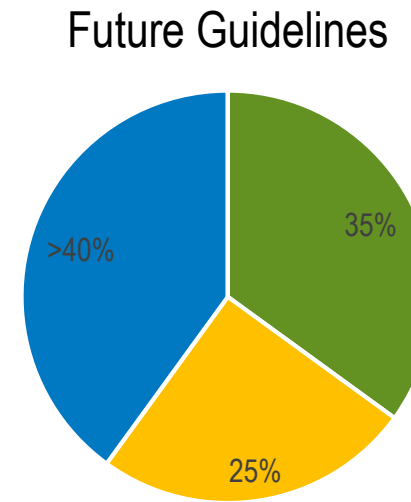


# CAPITAL ALLOCATION PRIORITIES

- 1 **Internal Investment** to support organic growth and sustain core business
- 2 Grow the **dividend** annually in line with earnings
- 3 Accelerate **acquisitions** that align to strategy and return targets



Approximate percent spend  
of gross operating cash flow





## IN SUMMARY – OUR STRATEGIC FRAMEWORK



**Preserve** the legacy of trusted solutions, broad offerings and innovation earned since Badger Meter's founding in 1905



Accelerate customer-focused **growth**

- Emphasis on profitable growth over quantity
- R&D and capital investments leveraged across served markets



**Execution** as a differentiator and value driver

- Operational excellence as the foundation
- Superior cash conversion



Disciplined **investment** where there is a compelling competitive advantage

- Software / Analytics / Internet of Things
- Water quality assurance



# BACKGROUND INFORMATION



# ANNUAL FINANCIAL TRENDS

(US\$ in millions, except per share data)

	<u>2016</u>	<u>2017</u>	<u>2018</u>
Sales	\$393.8	\$402.4	\$433.7
Adj Oper Earnings	52.7 13.4%	56.6 14.1%	59.4 13.7%
Adj EBITDA	73.2 18.6%	80.0 19.9%	83.8 19.3%
Adj EPS	1.11	1.19	1.54
Free Cash Flow	\$45.6	\$34.7	\$51.7
FCF Conversion	141%	100%	115%
Net Debt/EBITDA	0.4	0.4	0.1

- Sales growth driven primarily by smart water solution penetration
  - Radios and SaaS
- Margins driven predominately by volume, price/cost and favorable sales mix
- Favorable SEA leverage
- Solid cash flow generation with conversion above 100%
- Ample balance sheet flexibility

Note: Adjusted figures exclude pension termination settlement and executive retirement charges in 2018. See 2018 Annual Report for GAAP to Non-GAAP reconciliations.

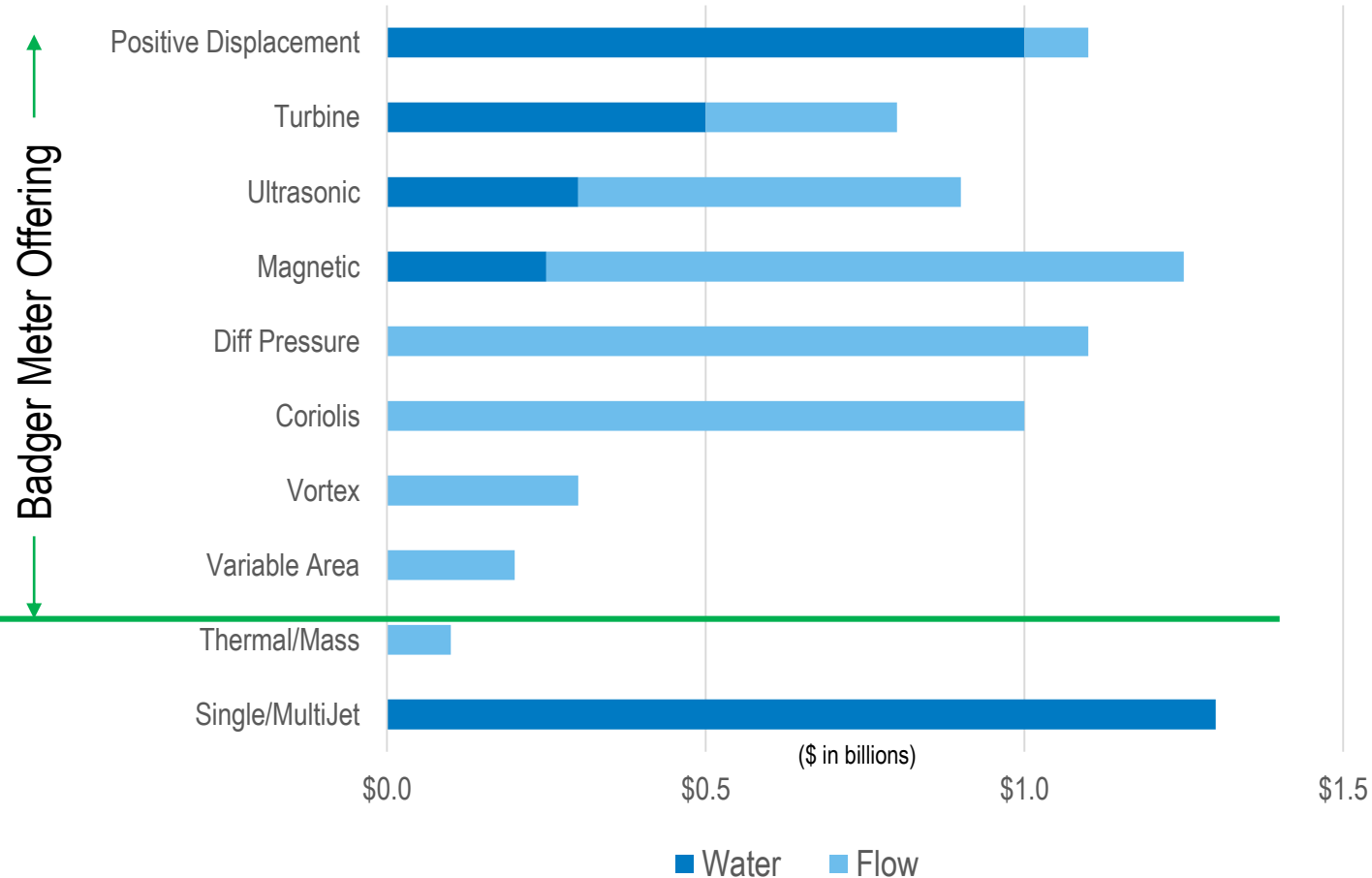


# GLOBAL MANUFACTURING AND INNOVATION





# FLOW MEASUREMENT METHODS



- Badger Meter offers eight of the ten common flow technologies
- North American water meter market primarily uses nutating disc meters, a type of positive displacement technology
- Global water meter markets are starting to shift from mechanical to static meters, such as magnetic and ultrasonic
- Rest of world water meter market primarily uses single/multi-jet, turbine or piston (also positive displacement) meters



# WATER METERING KEY GROWTH STRATEGIES

- Maintain leading position in the North American water metering market through continued development of leading-edge technologies for
  - Meters
  - Radios
  - Software
- Penetrate and grow select international markets (e.g. Middle East) with leading solutions
- Leverage AT&T alliance to gain access to Mayor/"C-office" decision makers
- Identify strategic acquisition opportunities to enhance technology and market channels – e.g. actionable information through analytics and sensors







# SMART CITY ALLIANCE

- One of 11 companies aligned with AT&T to drive initiatives
- Initiative includes improving utilization of limited budget resources
  - Efficient city operations
  - Deployment of resources
  - Service and delivery
- Smart water metering increases utility revenue and drives conservation and sustainability



## What is a Smart City?

The integration of technology with a strategic approach to sustainability, cost reduction, citizen well-being and economic development.

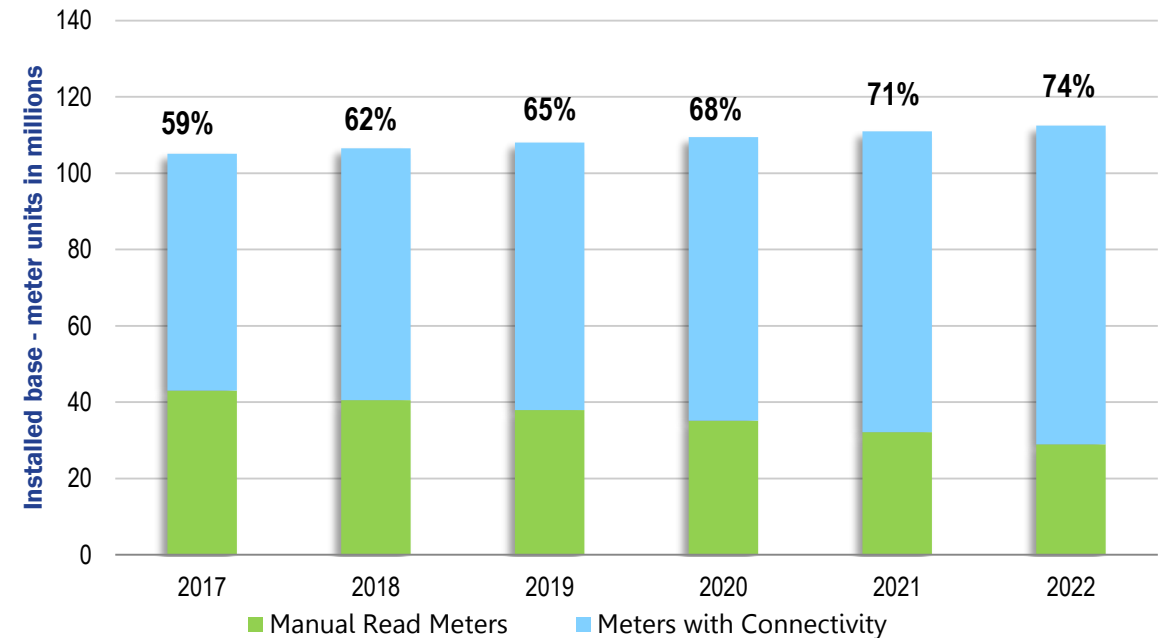
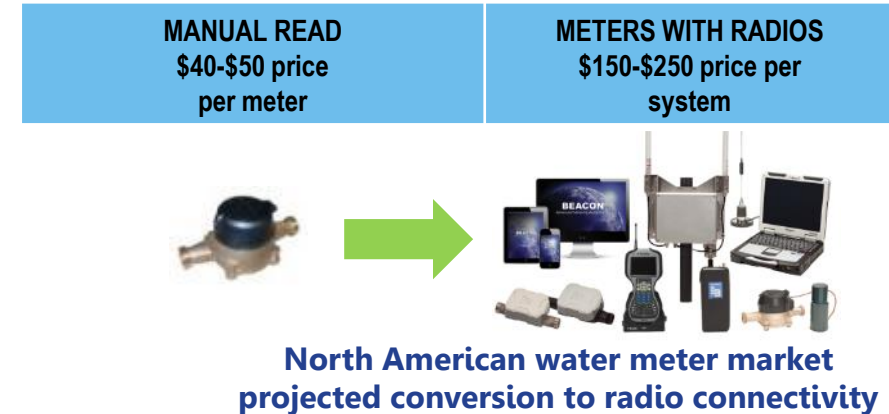




# RADIO CONNECTIVITY - PENETRATION

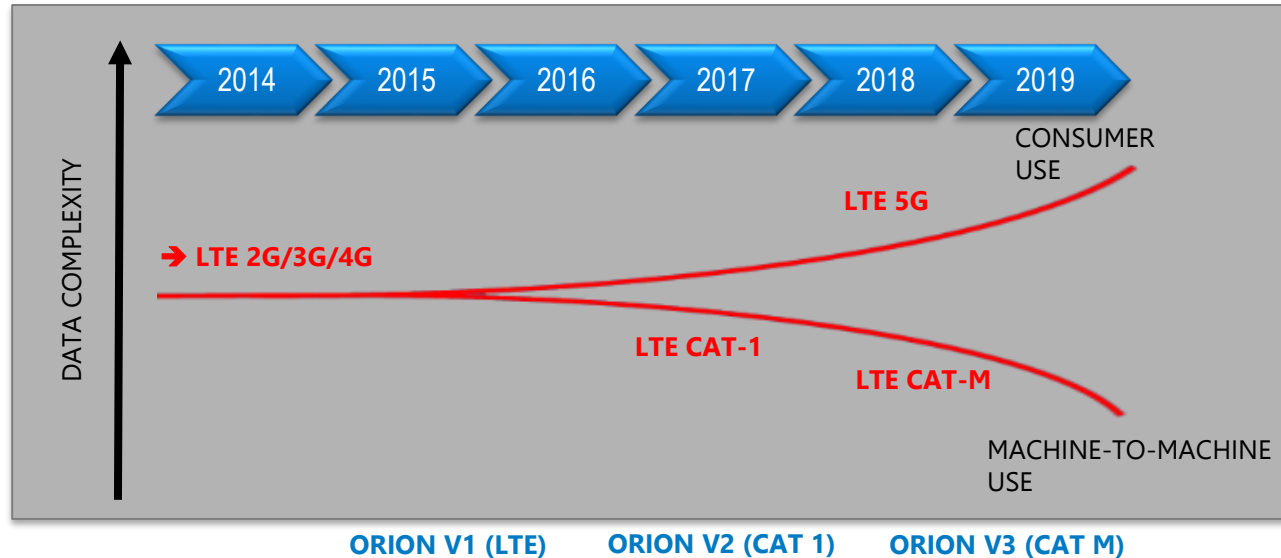
## CONVERSION TO CONTINUE

- Badger Meter was the first US company to offer radios on water meters (1988)
- Radio connectivity allows for automated metering and integration of real-time data with analytics software
- Radio connectivity reduces utility costs, improves billing accuracy, aids in leak detection and encourages conservation
- Approximately 60% of the U.S. market has been converted (per IHS) – every 1% additional conversion represents significant increased sales opportunity for Badger Meter





# CELLULAR TECHNOLOGY ROADMAP



- First cellular radio for North American in 2014 using 2G/3G networks
- Version 2 introduced in 2017 using the LTE CAT-1 networks for machine-to-machine data communication – first step to IoT and “Smart City” applications
- Cellular network technology will soon be splitting between LTE 5G for consumers (i.e. video streaming) vs LTE CAT-M technology for IoT/Smart City
- ORION Version 3 launched in 2019 with new LTE CAT-M network technology
- Each cellular phase represents cost reduction/performance improvement and each version is backward and forward compatible

## Advantages of Cellular Technology

- Compared to fixed networks, no infrastructure for the water utility to maintain (cost advantage)
- 100% coverage: no “hard-to-read” locations compared to fixed networks
- Facilitates pacing of upgrades at customers’ requirements
- Technology upgrades do not require water utility to replace equipment on towers
- After natural disasters, cellular systems are the first to come back on line



# FLOW INSTRUMENTATION KEY GROWTH STRATEGIES

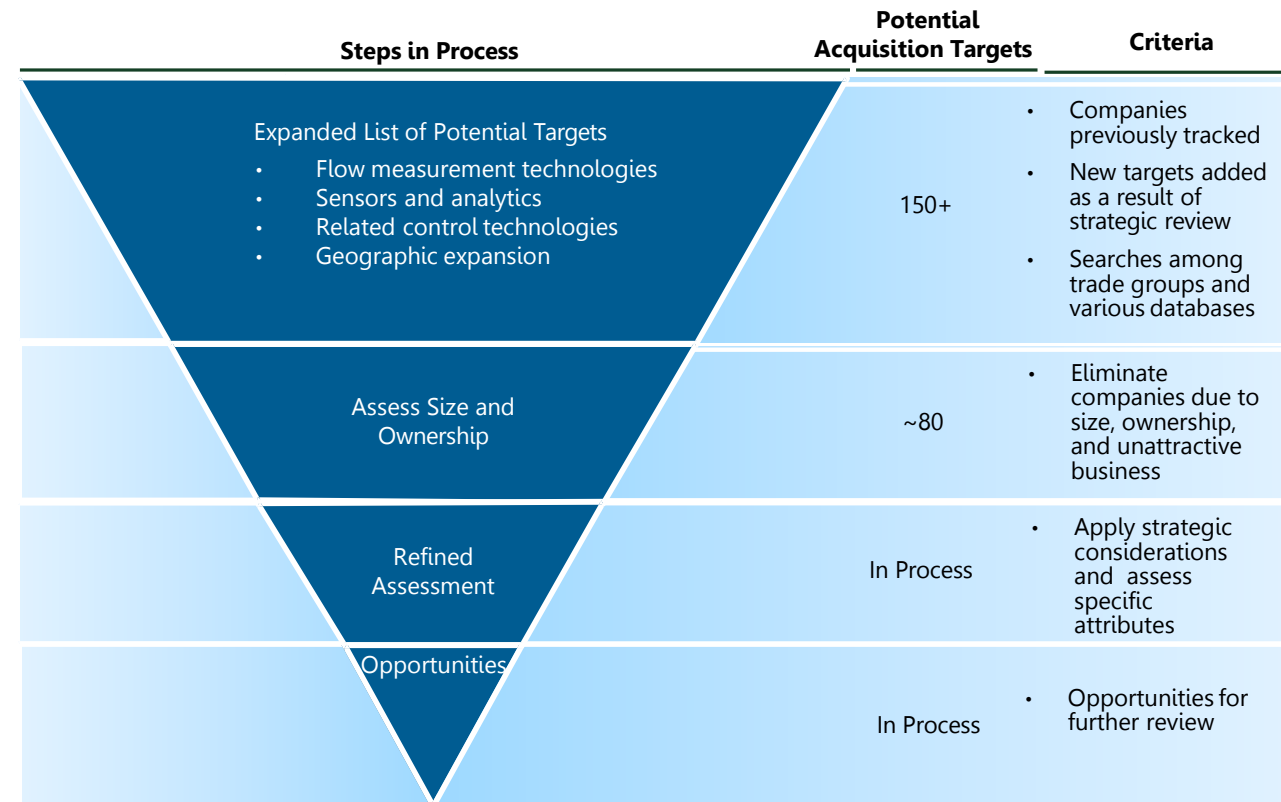
- Expand niche share by targeting four faster growing core markets:
  - Building Automation/HVAC/Sustainability
  - Water and Wastewater
  - Chemical/Petrochemical
  - Oil & Gas
- Continue to expand new product development to target niche market gaps
- Align with key market focused Reps to further penetrate sales channels (e.g. DNOW)
- Identify strategic acquisition opportunities to enhance technology and market channels





# STRATEGIC ACQUISITIONS

- Technology solutions that can be leveraged across both utility and flow instrumentation markets
- Smart City / Internet of Things – water usage reduction, cleanliness, leaks, shut-offs, etc.
- SaaS
- International penetration
- Flow instrumentation core market penetration (caveat that total mix no more than 30% of consolidated revenue)
- Disciplined capital allocation





# ACQUISITION HISTORY

Over the past 8 years, Badger Meter has made 9 strategic acquisitions, for a total of \$147M

Year	Company	Type	Location	Price
<b>Water Utility Instrumentation and Connectivity:</b>				
2018	Innovative Metering Solutions	Distributor	Tampa, FL	\$8M
2017	Carolina Meter	Distributor	Wilmington, NC	\$6M
2017	D-Flow	Technology/R&D	Lulea, Sweden	\$23M
2015	United Utilities	Distributor	Smyrna, TN	\$3M
2014	National Meter	Distributor	Denver, CO	\$23M
2013	Aquacue	Technology/R&D	Los Gatos, CA	\$14M
<b>Flow and Industrial Instrumentation:</b>				
2012	Racine Federated	Technology/Manufacturing	Racine, WI	\$57M
2011	Remag	Technology/Manufacturing	Bern, Switzerland	\$5M
2010	Cox Instruments	Technology/Manufacturing	Scottsdale, AZ	\$8M

**The distribution acquisition strategy is now completed**



# GAAP TO NON-GAAP RECONCILIATIONS

## EBITDA

	(US\$ in millions)	
	<u>Q3 2019</u>	<u>Q3 2018</u>
Net Earnings (GAAP)	\$12.7	\$2.9
Pension settlement charge	0.0	11.7
Executive retirement charge	0.0	2.1
Interest expense	0.1	0.3
Income tax provision	3.6	0.8
Depreciation	2.6	2.9
Amortization	<u>3.1</u>	<u>3.1</u>
Adj. EBITDA	\$22.1	\$23.8

## Free Cash Flow

	(US\$ in millions)	
	<u>Q3 2019</u>	<u>Q3 2018</u>
Cash from Ops (GAAP)	\$20.2	\$14.7
Capital Expenditures	<u>(1.1)</u>	<u>(2.0)</u>
Free Cash Flow	\$19.1	\$12.7

## Income Statement

	Q3 2018		
	<u>GAAP</u>	<u>Adjustments</u>	<u>Adjusted</u>
Sales	\$110.6		\$110.6
Gross margin	43.9		43.9
SEA	<u>28.2</u>	<u>(2.1)</u>	<u>26.1</u>
Operating income	15.7	2.1	17.8
Other pension and postretirement costs	11.8	(11.7)	0.1
Interest expense	0.3		0.3
Income taxes	<u>0.8</u>	<u>(3.2)</u>	<u>4.0</u>
Net earnings	2.8	10.6	13.4
Diluted EPS	\$0.10	\$0.36	\$0.46