

# CNA 2019 Bruce Power Supplier Forum

February 27, 2019

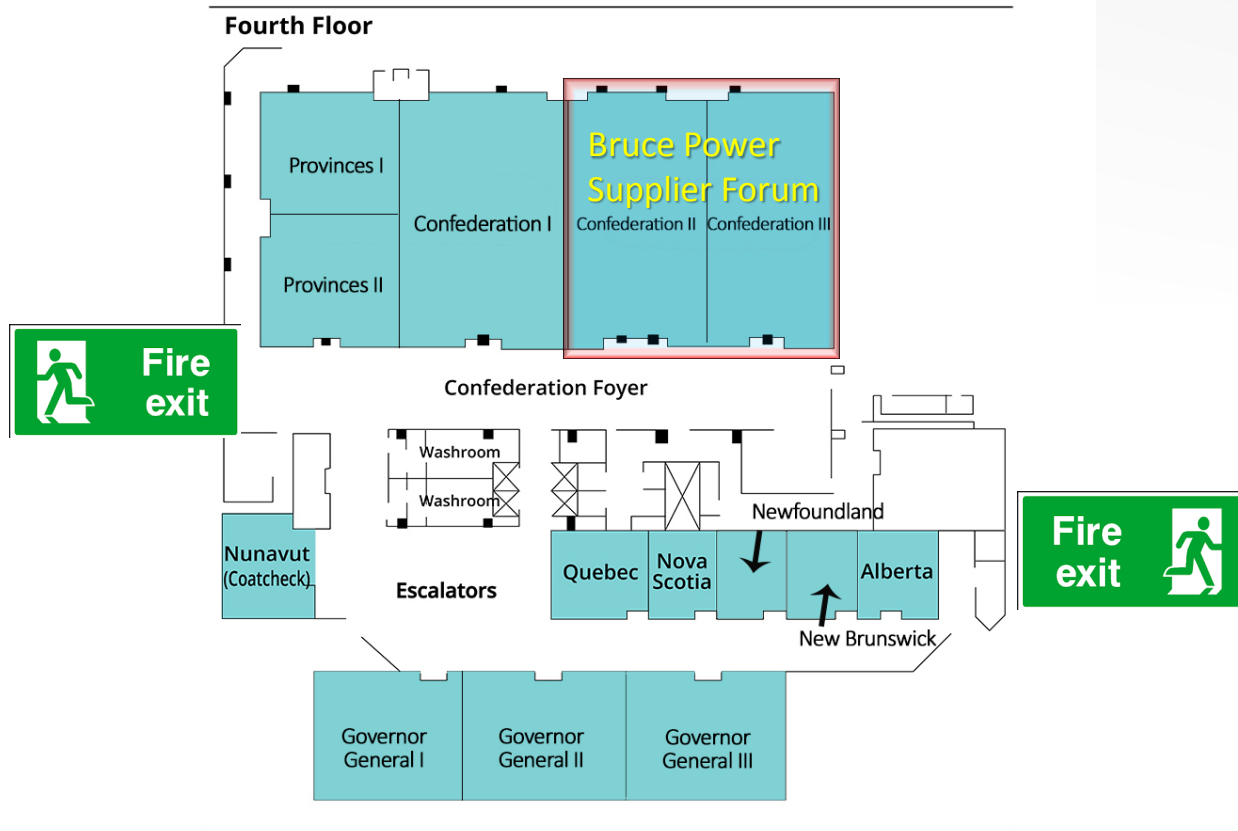


*You can count on me.*  
EVERY STEP. EVERY TIME. **EVERY DAY.**

**Bruce Power**<sup>™</sup>  


*Innovation at work*

# Safety First



## IN CASE OF EMERGENCY:

✓ Dial **7777** from any house phone

or

✓ **9-911** from any house phone

or

✓ **911** from your mobile phone



**2019 BUSINESS PLAN**

# Simplify. Plan. Deliver.

Securing Our Future

# 2019 – By the Numbers

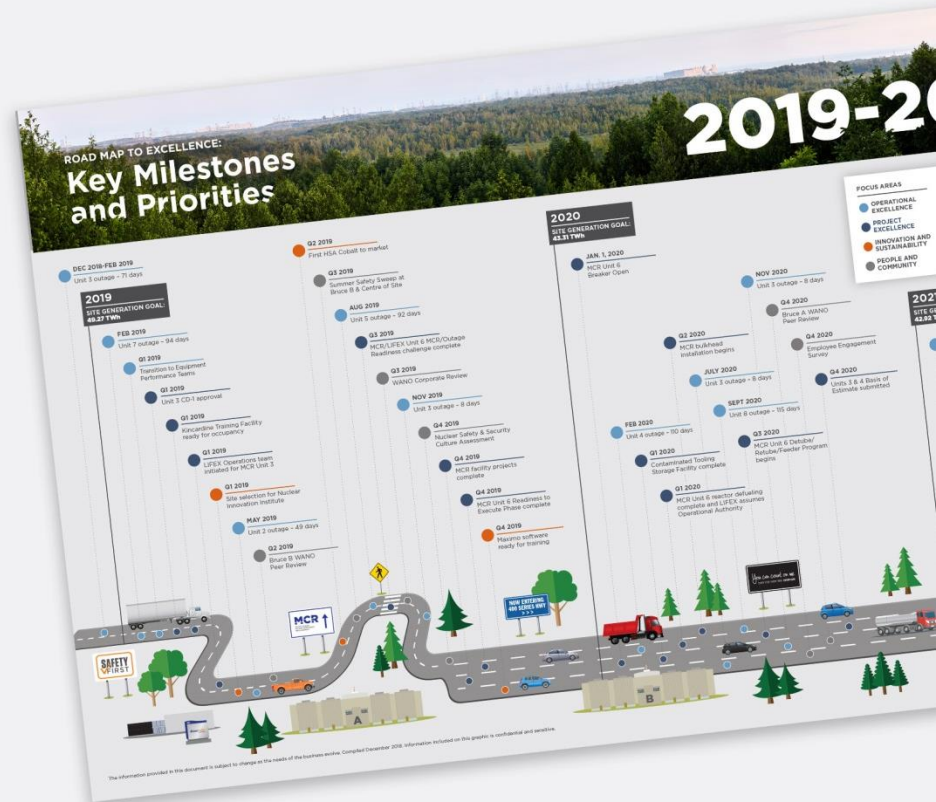


- ✓ ZERO lost-time injuries
- ✓ 47 TWh of generation (five million homes for one year)
- ✓ 287 outage days
- ✓ <365 days until MCR U6 breaker-open
- ✓ \$1.5B site investment
- ✓ 277 projects (AM & Sustaining Capital) worth \$500M

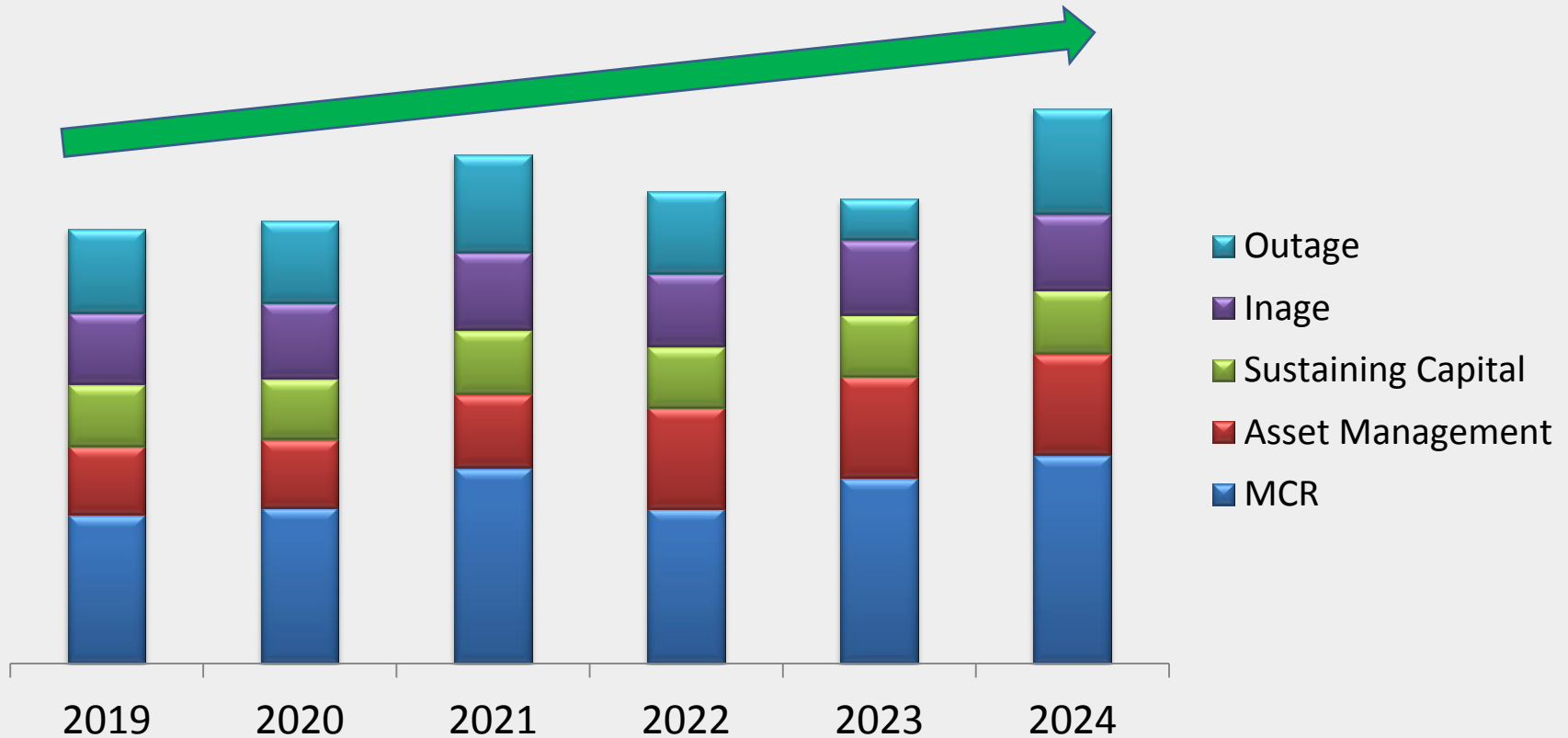


# The Road to Excellence

- ✓ Safety First
- ✓ Operational Excellence
- ✓ Project Excellence
- ✓ Innovation and Sustainability
- ✓ People and Community

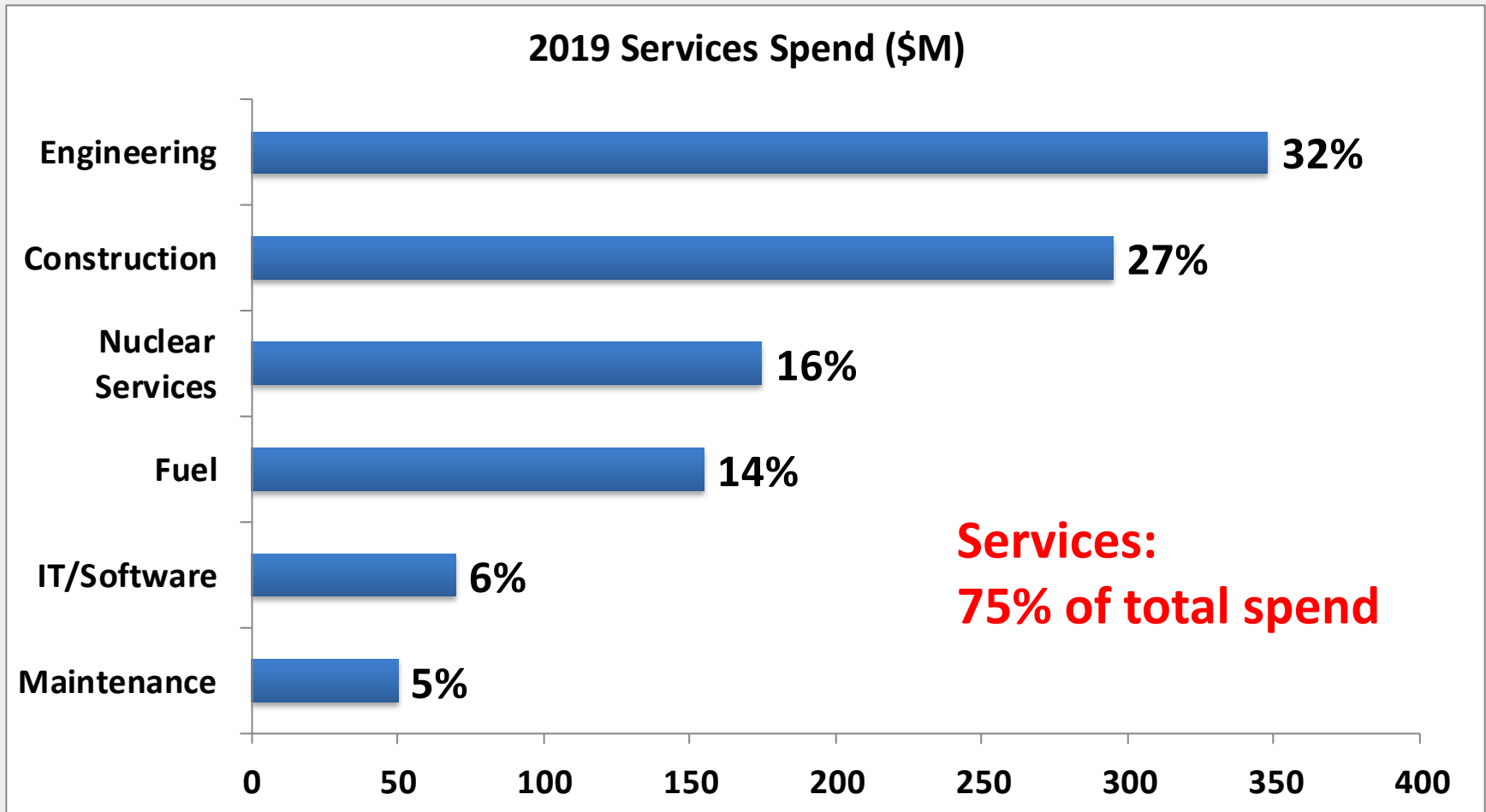


# Investment at the Bruce Site

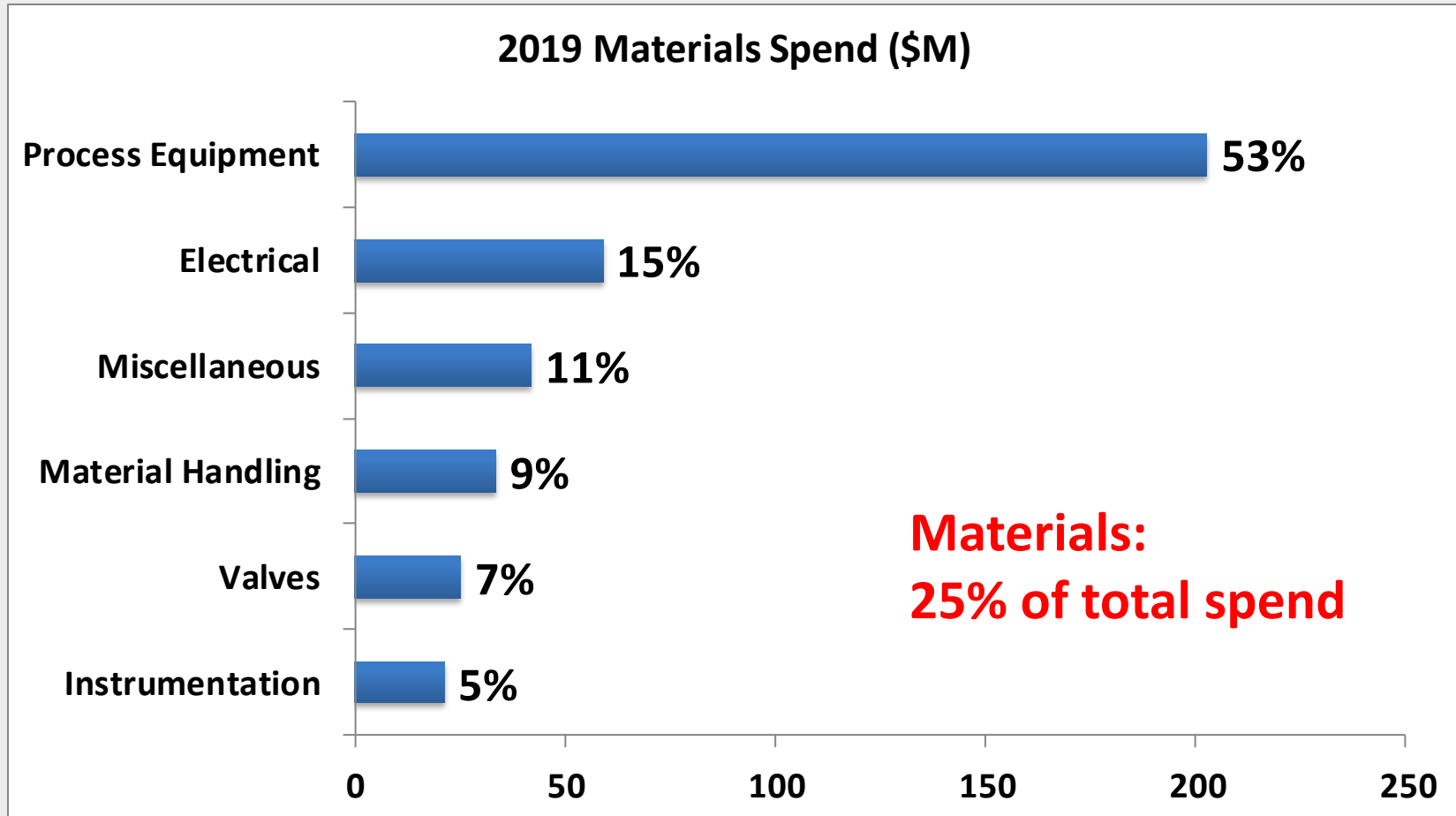


<b>MCR Outage Days</b>	0	366	365	365	657	395
<b>Oper. Outage Days</b>	287	241	252	283	101	312

# Services Spend – in 2019



# Materials Spend – in 2019





# 2019 Key Procurements

	Materials	Services
<b>Active Procurements</b>	<ul style="list-style-type: none"> <li>• Valves</li> <li>• Large Pumps</li> <li>• Protective Relays</li> <li>• Fuel Handling Kits</li> <li>• Transformers (w/OPG)</li> <li>• I&amp;C Control Systems</li> <li>• DCC Installation</li> </ul>	<ul style="list-style-type: none"> <li>• Engineering MATOC</li> <li>• Laundry Services</li> <li>• Valve Services</li> <li>• RP Outage Support</li> <li>• Extended West Shift Plus</li> <li>• HX Engineering &amp; Services</li> <li>• Nuclear Construction MATOC</li> </ul>
<b>Upcoming Procurements</b>	<ul style="list-style-type: none"> <li>• Small Motors (Q2)</li> <li>• Small Pumps (Q2)</li> <li>• Batteries (Q2)</li> <li>• MCC (Q3)</li> <li>• Amplifiers (2020)</li> <li>• Moderator HX (2020)</li> </ul>	<ul style="list-style-type: none"> <li>• B13 HVAC (Q2/Q3)</li> <li>• I&amp;C Services</li> <li>• Buried Piping</li> <li>• PHT Decontam/Scrap</li> </ul>

# OPG Collaboration

**FOCUS AREA: PARTS, PROCUREMENT, PERFORMANCE & PEOPLE**

**Collaboration Options include:**

1. Joint Procurement
2. Assessment of Collaborative Procurement Opportunities
3. Information Sharing

## **2019 – Joint Procurement Opportunities:**

<b>Opportunity</b>	<b>Category</b>
<b>\$\$\$</b>	Transformers, Laundry Services, Valves, Design Services
<b>\$\$</b>	Steam Generator & Turbine, Switchgear, Large Metal Objects/Waste, Small Pumps/Small Motors
<b>\$</b>	Testing & Analysis, Non-Destructive Testing, Batteries

# Supplier Performance – 2017/2018

Performance (Safety, Quality, Cost and Schedule)	2017 - Key Suppliers	2018 - Key Suppliers	Areas of Improvement
Consistently strong performance in all metrics	3	2	<ul style="list-style-type: none"> <li>• Maintain stable performance</li> </ul>
Performance Improving	3	9	<ul style="list-style-type: none"> <li>• Cost Performance</li> <li>• Manufacturing schedules</li> <li>• Schedule Adherence</li> <li>• HU Performance</li> </ul>
Needs Improvement	6	6*	<ul style="list-style-type: none"> <li>• Quality/rework</li> <li>• Capacity &amp; capability</li> </ul>

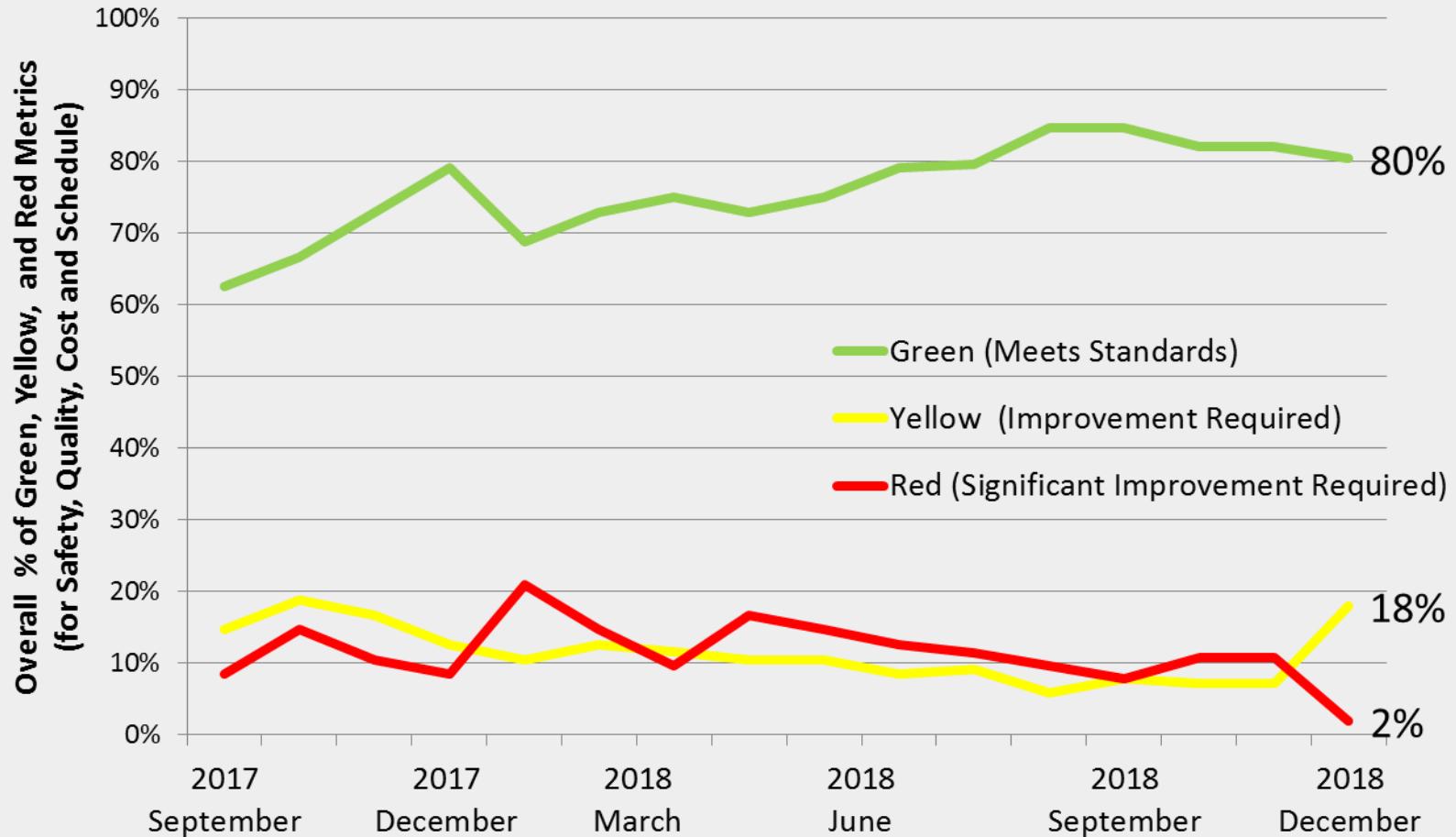
\*Note: includes a tier 3 supplier

Local presence: **20 new supplier office openings in Grey/Bruce/Huron in 2018**



# Supplier Performance – 2017/2018

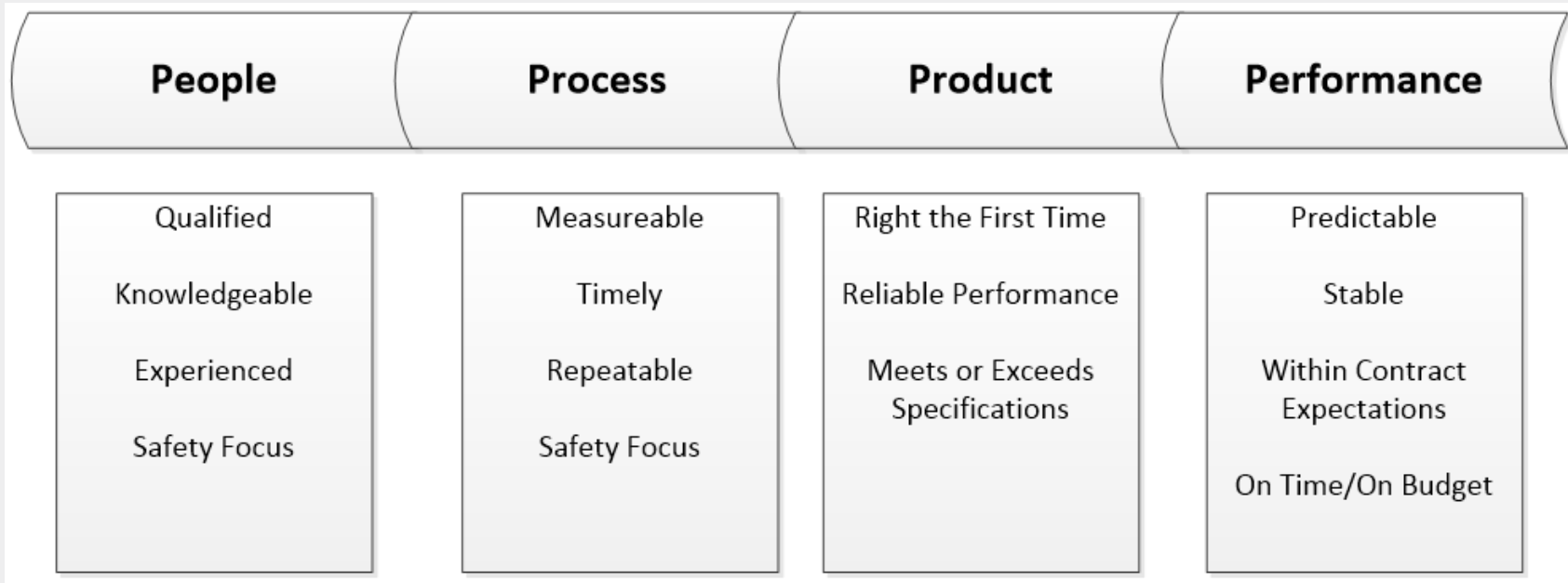
## Performance Metric Trends For Key Suppliers





# Cost of Poor Quality

Quality is a partnership; it's win/win, or lose/lose.



## Impacts:

- Generation Loss
- Additional work and rework, oversight
- Erosion of trust and morale
- Financial claims/recovery

**Estimated cost of poor quality in 2017/2018:**  
**\$83M**

# Breakout Sessions

- 3 x 15-min breakout sessions, consisting of DISCUSSION + Q&A
- Four breakout locations around the room
- Breakout session hosts:
  - **Mike Rencheck**, President & CEO
  - **Ian Rowley**, VP Outage and Maintenance Services
  - **Jeff Phelps**, VP Major Projects
  - **James Scongack**, EVP Corporate Affairs & Operational Services
- 1600 hrs: end of Bruce Power Supplier Forum