

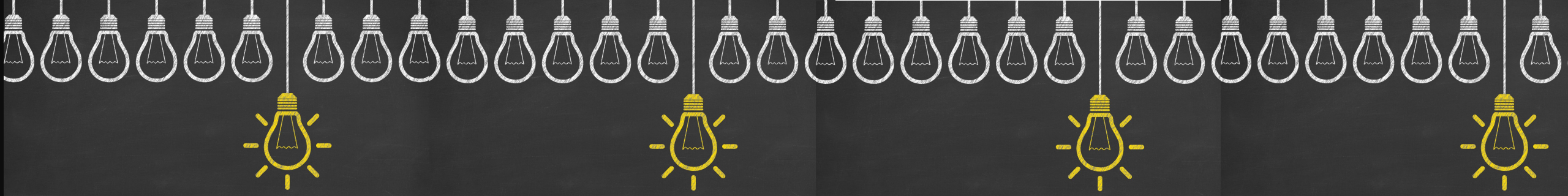


# Emerging Trends & Business Opportunities

Bob Mitchell, PERI

**Post COVID: AB's Business & Economic Recovery**  
**Alberta Economic Developers June 17, 2020**





## 4 Emerging Trends

- 1 Preparedness for future health crises
- 2 Self-reliance & resilience
- 3 Rethink built environment & services
- 4 Reinvent work/employment

What is PERI doing?

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# Preparedness

## 1 PPEs

- Local supply & inventory
- Just-in-time manufacturing flexibility

## 2 Value & protect frontline healthcare

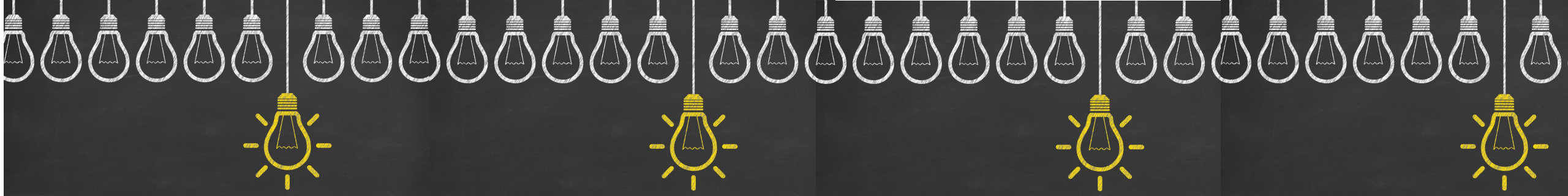
## 3 Public awareness & understanding

## 4 Connectedness

- Update AB's supernet
- Internet as a public service
- CRTC s/b enabling

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# Self Reliance & Resilience

- 1 Take back manufacturing of strategically important goods
  - Nimble retooling of software, not hardware
- 2 Local nutrition
  - 100 mile diet
- 3 Protecting & enabling the vulnerable
- 4 Redistribution of capacity
  - Community power generation
  - Grid s/b smart network

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# Built Environment & Services

## 1 Mimic nature, indoors

- Neutralize pathogens
- Improve ventilation and air quality
- Plants serve important purpose


## 2 Building layouts

- Forever homes - grow, exercise, learn, work & age in place
- Municipal addendums to Building Codes (e.g., higher humidity)

## 3 Rethink services

- Libraries, fitness centres, auditoriums
- Teaching edifices vs learning opportunities





# Reinvent Work & Employment

## Remote working

- Proven productivity for some work
- Change employee-employer relationships
- End of the edifice complex?
- Globalized employment market
- Commuting rejected
- Importance of personal brand
- Renaissance of cottage industries
- Modernize & broaden supernet

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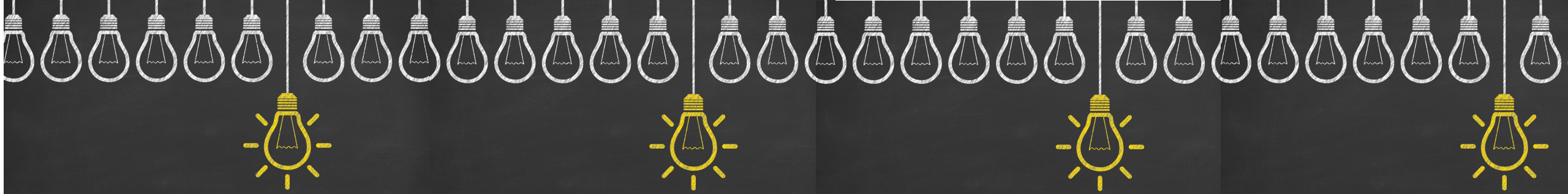


# What is PERI Doing?

- 1 Pursuing tech to improve indoor air
- 2 Helping client reinvent aging-in-place
- 3 Nimble state-of-the-art manufacturing in AB
- 4 Platform to muster AB expertise to address big challenges
- 5 Distributed cleaner power generation techs
- 6 Rethinking learning
- 7 Urban indoor farming tech
- 8 Waste as an opportunity

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Thank you