



## CCEMC - Mandate

**CCEMC** is an Alberta based not-for-profit corporation with a mandate to reduce greenhouse gas emissions and improve the ability to adapt to climate change by investing in the discovery, development and deployment of clean technology

CCEMC is enabled through the Government of Alberta's regulatory approach

- Large regulated emitters must meet performance targets
  - Three options to comply – achieve target, offset or pay
  - Compliance is annual
- The Fund is managed by the government
- Segregated
- CCEMC – a delegated administrative organization

# The Business Model

CCEMC – an Alberta-based, independent, not-for-profit organization focused on discovery, development and deployment of clean technology

- Aligned with public policy
- Sustainable
- Transparent and accountable
- Strong business and technical acumen
- Disciplined third party review process
- Best projects selected
- Focus on performance



# Governance

Guided by diverse, experienced leaders on the Board

- 14 Board members
- Broad cross section of leaders
- Strong technical and business oversight
- Management team – skilled set of service providers
- Virtual organization
- Objective third party adjudication



## Project Funding

\$Millions available for projects each year that lead to actual and sustainable reductions in emissions.

3.5 years compliance – approximately \$260 M  
Funds renewed annually

Investment Areas :

- Greening energy production
- Conserving and using energy efficiently
- Carbon capture and storage
- Adaptation and knowledge

Manage as a portfolio



## Technology Holds the Promise

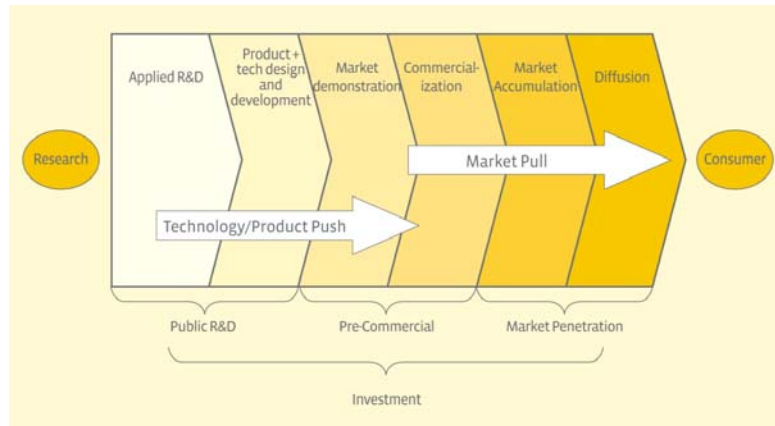
A broad focus on clean technology allows the CCEMC to accelerate commercial applications of new ideas by leveraging \$\$, applications and partnerships

Technology benefits include:

- Accelerates achievement of targets
- Promotes economic growth
- Generates new jobs
- Enhances competitiveness



# Innovation Chain



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## An Effective Management Process

### Competitive process

1. Request for proposal – 2 stages
  - a. Expression of interest
  - b. Full project proposal
2. Due diligence – technical, financial, GHG reduction
3. Decision – portfolio considerations
4. Contracting and performance management



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## Typical Funding Conditions

Criteria are transparent

- Emphasis on GHG reductions and innovation
- 1:1 Match minimum
- Technology must have application in Alberta
- Developed partnership/leverage
- Validation/verification required
- No ownership of IP



## CCEMC Performance

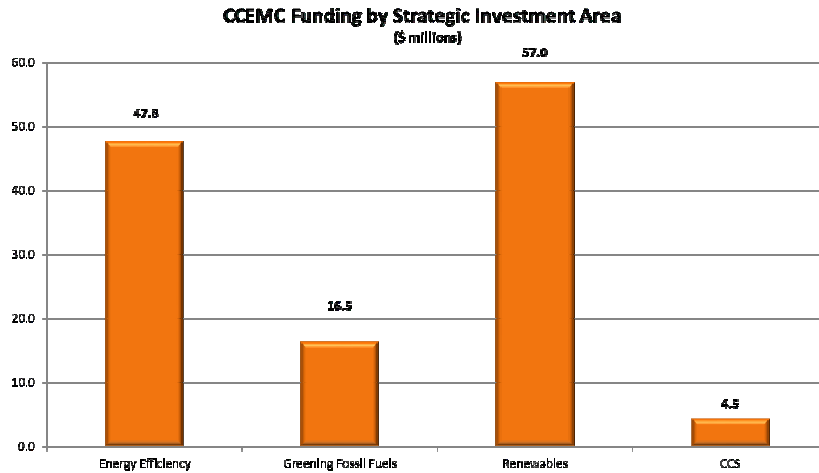
In business for 2+ years – funding is refreshed annually

- Announced funding for 27 clean technology initiatives in 12 months
- More than \$126 million allocated
- More than \$632 million in project value (leverage 4:1)
- Emissions reduction estimated at 8 MT over 10 years
- Expect >\$1B worth of projects by end of next year
- Biological project underway
- Three adaptation projects approved – trees, water and biodiversity
- 2 RFPs currently under review
- New RFPs to be announced this spring



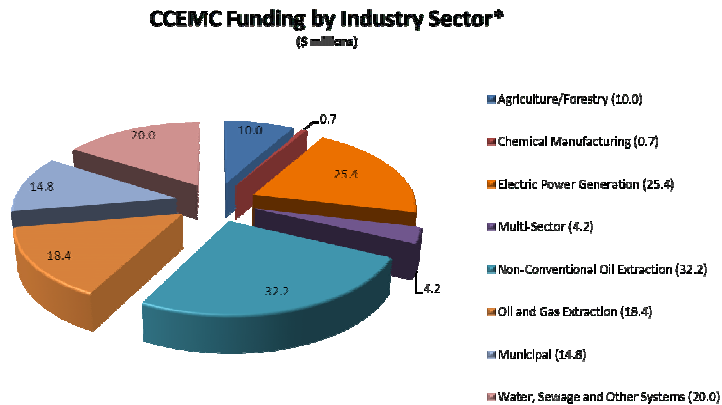
## Portfolio by Strategic Area

Total CCEMC commitments after Round 3 – 27 projects for \$ 126.2 M



## Portfolio by Sector

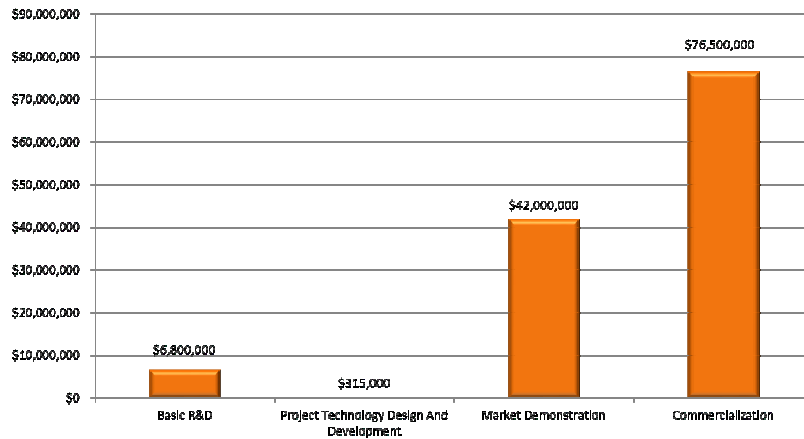
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## Portfolio by Stage of Development

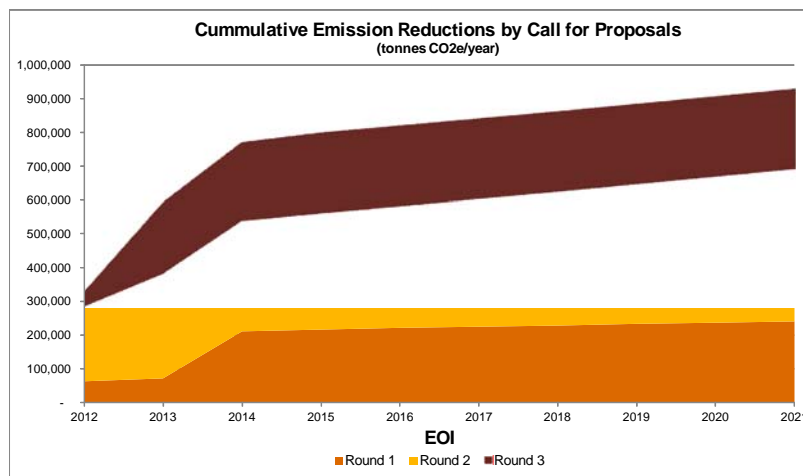
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**CCEMC Funding by Innovation Step**



## Cumulative Emissions Reductions

**10 Year Projection of Emissions Reductions**



# Value of Technology Funds

## Conference Board of Canada Independent Report

- Generally, technology funds play a critical role in reducing emissions and provide economic benefits and produce jobs
- Economic impact of technology funds will be largest in Alberta - double all other provinces combined
- A total of \$6.86 Billion will be spent in Alberta in the next five years
  - boosting GDP by roughly \$4.8 Billion
  - creating 50,500+ person years of employment



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3/8/2012

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# CCEMC Value Proposition

## What makes CCEMC different

- Regulatory – mandatory requirements
  - Performance targets established
  - Carbon price set
- Sustainable financial resources
- Dedicated to mandate
- Performance accountability – those that emit are accountable

Open for business and interested in collaborating

[WWW.CCEMC.CA](http://WWW.CCEMC.CA)



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