



# EcoEnergy Technology Initiative (A New Federal World)

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[www.nrcan.gc.ca](http://www.nrcan.gc.ca)



Natural Resources  
Canada

Ressources naturelles  
Canada

Canada 

# Overview



- **\$230M over 4 years, beginning in 2007-08**
  
- **Scope**
  - **Increasing clean energy supplies**
  - **Reducing energy waste**
  - **Reducing pollution from conventional energy**
  
- **Part of government's ecoENERGY suite of initiatives and programs**
  
- **Managed by Office of Energy Research & Development**

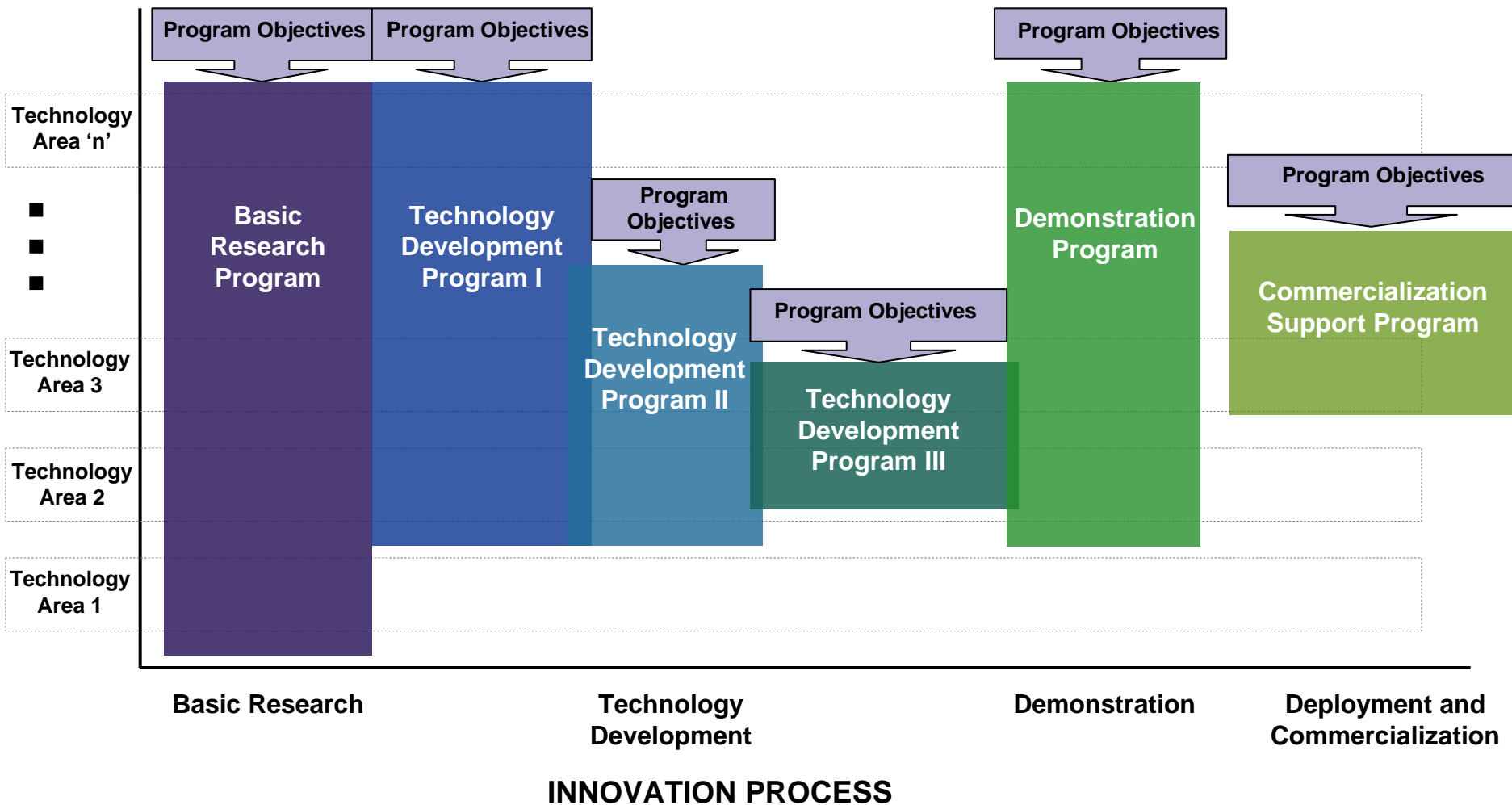
# Strategic Areas



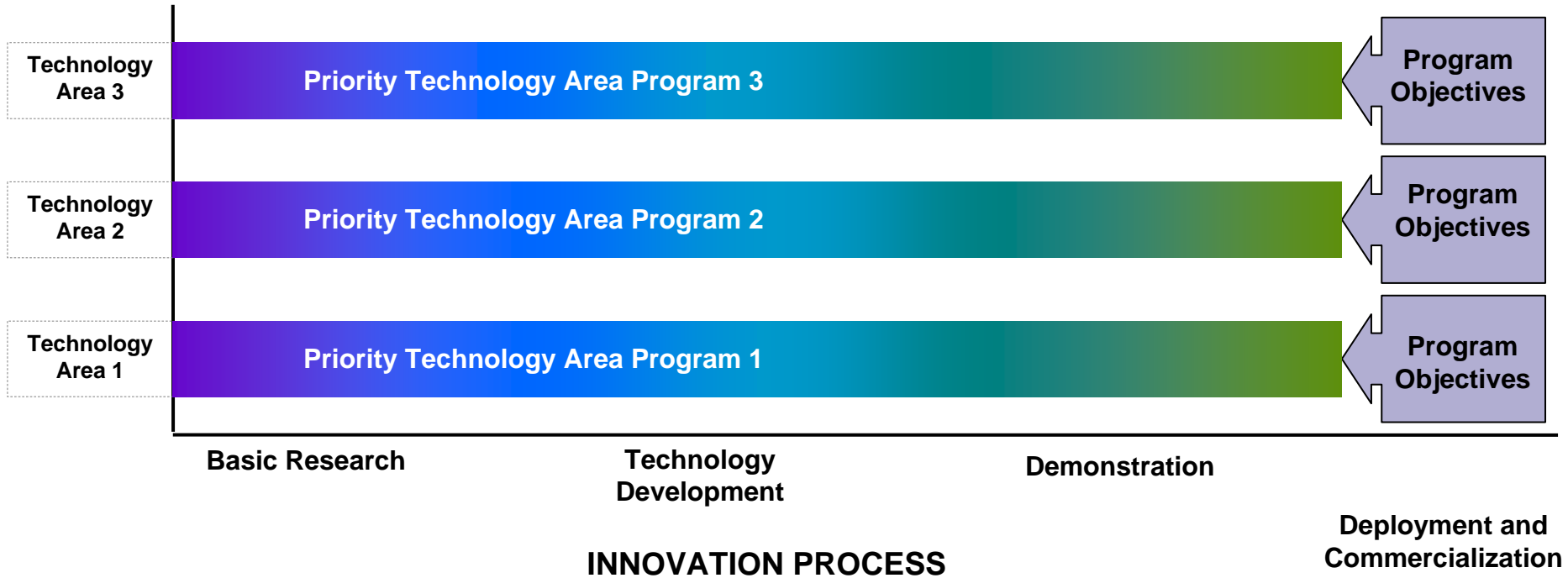
## Eight Portfolios in six strategic areas:

1. **Clean Fossil Fuels \***
2. **Clean Integrated Electricity**
  - **Clean Coal and Carbon Capture & Storage \***
  - **Distributed Power Generation \***
    - **Renewable Energy Technologies**
      - Ocean
      - Wind
      - Solar
    - Fossil combined heat and power
    - Grid Integration
  - **Next Generation Nuclear (Generation IV) \***
3. **Bio-based Energy Systems \***
4. **Low Emission Industrial Systems \***
5. **Clean Transportation Systems \***
6. **Built Environment \***

# Previous Program Structure



# Integration of R&D and Demonstration Components



# Project Assessment



- **Projects will be required to support the outcomes of the strategic plan and meet a common set of criteria, in areas relating to:**
  - **Alignment to the Clean Air Agenda**
  - **Managing Risk**
  - **Benefits to Canada**
- **Other criteria may be developed by each Portfolio Committee**
- **Proven methodologies for assessing potential emission reductions will be used where practical**

# Allocation of Funds



- Each Portfolio will have a unique distribution of effort across the innovation spectrum, depending on the need
- Portfolio strategies and implementation plans will be developed with the advice of provinces/territories and industry
- Focus on **public-private partnering** – federal and provincial governments, industry, academia
  - expected that on average, federal funding for projects will be about one-third of total
- Funding will be allocated for 1 to 4 years, depending on the project.

# Delivery Mechanisms



- Depending on needs and opportunities, RD&D could be delivered by:
  - **Federal S&T facilities** only (for “public good” aspects, and longer-term, higher-risk research and development that the private sector is unwilling or unable to undertake)
  - **Public-private co-funding** arrangements
  - **Targeted calls** for proposals by NRCan for projects in each of the priority areas on a competitive basis.

# Benefits of New Governance Structure



- **Streamlined and more focused decision-making**
- **ecoETI and PERD managed synergistically**

# Rolling out ecoETI



- Information available to stakeholders on ecoENERGY web site\* - will be updated as roll-out continues
- Incorporation of the demonstration component under discussion
- First order of business: development of Portfolio Strategic Plans (Fall '07)
- First call for theme-based proposals in the fall of 2007
- Public-private co-funding proposals by the end of 2007

\*<http://www.ecoaction.gc.ca/ecoenergy-ecoenergie/technology-technologie-eng.cfm>

# Ocean Energy Plans - FY 07-08



- **Focus on 4 key areas:**
  - **Resource assessment – high energy sites**
  - **Codes and standards – opportunity for leadership role at the International Electrotechnical Commission**
  - **Environmental data collection**
  - **Strategic Planning – phased approach to R&D & Technical Advisory Committee**
  
- **Activities identified as fast-start projects to support the provincial initiatives**
  
- **Activities to be leverage on a one-to-one basis**

# As for the following years ...



- **Activities within the federal mandate based on Strategic and Implementations Plans**
- **Some R&D funding will be available from the Program on Energy R&D**
- **EcoETI's key element: federal/provincial/industry partnership and leverage**



**QUESTIONS?**