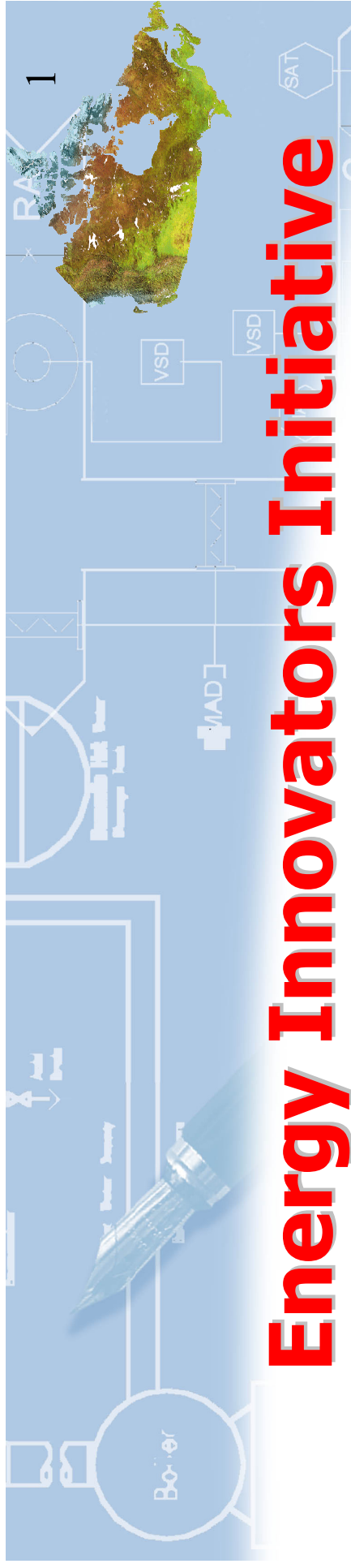




Energy Innovators Initiative

Energy Retrofit Assistance

Presentation to
IEA

May 10, 2004

Anna Cullinan, Commercial Buildings Retrofits
oee.nrcan.gc.ca/eii



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Program goal & services

Potential savings

How to access the program

Program details

Workshops



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Program Goal

- Encourage the owners of existing buildings in the commercial, institutional and municipal sectors to reduce operating costs and energy use through cost-effective investments in energy efficiency retrofits.

- lower costs

- reduce energy consumption

- improve productivity



Reduce GHG emissions



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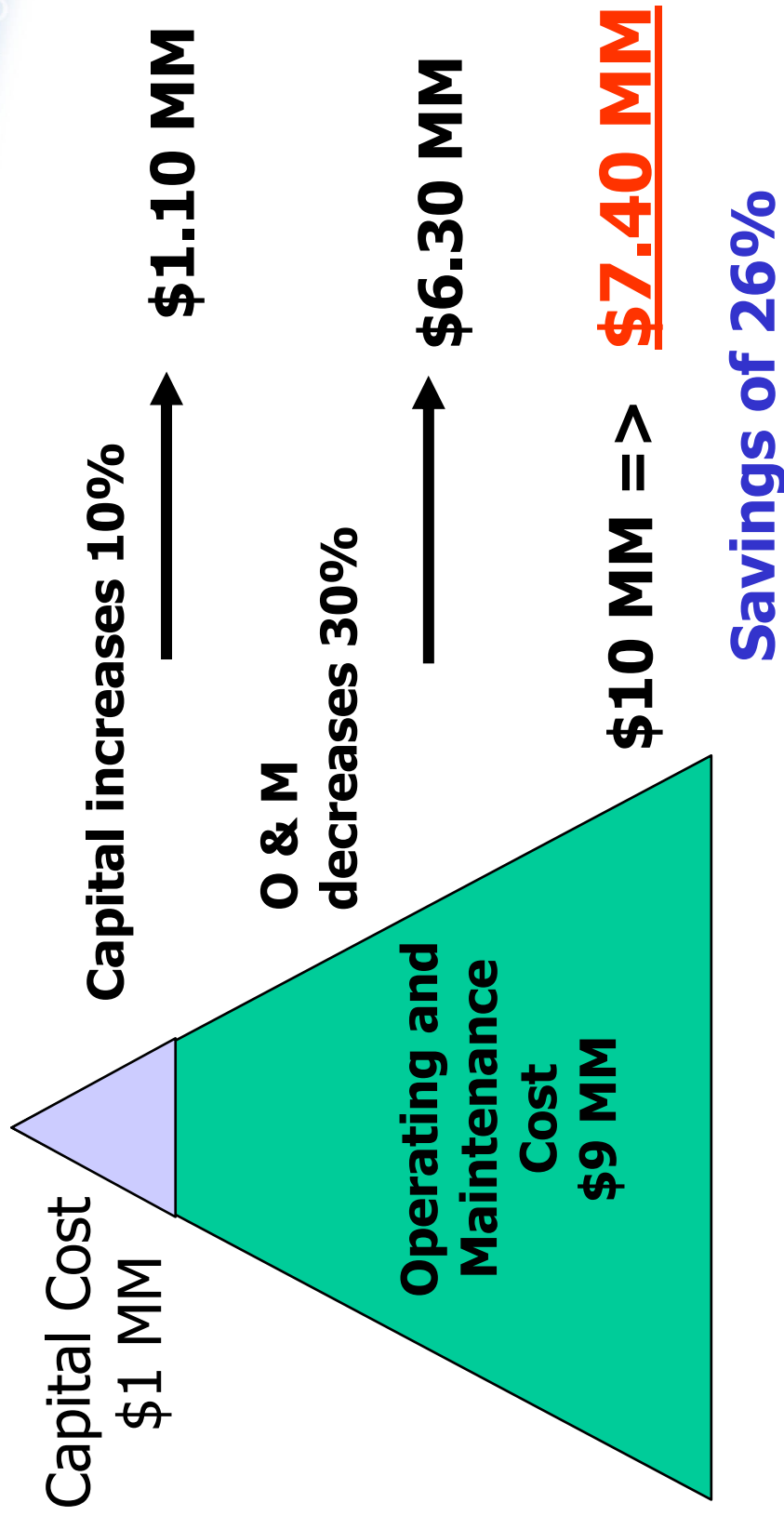
Program Services

- ✓ Financial incentives
- ✓ Sector specific workshops and seminars
- ✓ Technical information - fact sheets, benchmarking and best practices guides
- ✓ Newsletters, case studies and other publications
- ✓ National recognition awards

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Potential Savings



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How to access the program

Letter of Commitment

- The organization's senior executive must submit a letter of commitment to the Minister of NRCan.
- The commitment means:
 - identifying a representative or champion to liaise with OEE
 - developing an energy management plan
 - implementing cost-effective energy efficiency measures
 - informing OEE of progress
- Sample letter to join the EII is available electronically.

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Develop an Energy Management Plan

- The plan should include:
 - organization profile, including area (m2)
 - energy management policy (goals, targets, etc.)
 - energy consumption and costs for the baseline, current and forecasted years
 - projects undertaken and proposed
 - communications, awareness and staff training

- Guidelines and templates are available to simplify the process.

- Tools are available to help Officers and Clients calculate GHG emissions.

The Energy Management Plan is a mechanism for collecting project data

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Energy Retrofit Assistance – Retrofit Planning - ERA (P)

- Organizations can receive up to 50 percent of eligible costs for energy retrofit planning – up to \$25,000. An organization may reapply for further projects, up to a maximum total of \$250,000 in incentives.
- The objective is to provide organizations with tools to overcome barriers associated with implementing an energy saving retrofit project.

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Energy Retrofit Assistance – Retrofit Planning - ERA (P)

Eligible Services

- Project Development
- Audits
- Feasibility Studies/Engineering Audits
- Energy Management Plan
- Monitoring and Tracking Systems
- Other Services and Expenditures

**NRCan must
approve Service
Delivery Agent**



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ERA (P) Funding Formula

Determination of NRCan Contribution

NRCan Incentive = 50% of total eligible service costs

to a maximum of \$25,000 per study

incentive cannot exceed \$1 per GJ of energy consumed



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Typical Retrofit Measures

- Project Development and Management
- Common Area Elements like pool systems, laundry room
- Lighting and Electrical Systems
- Energy Management Systems and Controls
- Motors and Drives
- Water Heating, Boilers
- HVAC Systems
- Building Envelope, Windows
- Monitoring and Tracking Systems
- Staff Training, Employee Communication & Awareness



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Energy Retrofit Assistance –

Three or fewer buildings ERA (3)

- The ERA (3) offers incentives to organizations that have 3 or fewer buildings.
- The project must be completed within 12 months.
- EII will contribute up to 25% of eligible costs to a maximum of \$250,000 based on estimated energy savings.



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ERA (3) Funding Formula

Determination of NRCan Contribution

\$7.50 per energy savings (GJ) of the project

to a maximum allowable contribution of 25% of total eligible project costs or

\$250,000 – whichever is less



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Energy Retrofit Assistance –

Four or more buildings ERA (4)

The ERA (4) offers incentives to organizations that have 4 or more buildings.

The project must be completed within 12 months.

EII will contribute up to 25% of eligible costs to a maximum of \$250,000 based on estimated energy savings.

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ERA (4) Funding Formula

Determination of NRCan Contribution

\$15 per energy savings (GJ) of the project

**Measures in pilot project must be replicated in
25% similar buildings in the portfolio**

to a maximum allowable contribution of 25% of
total eligible project costs or

\$250,000 – whichever is less



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Dollars to \$ense

Energy Management Workshops

- Energy Master Plan
- Energy Monitoring and Tracking
- Spot the Energy Saving Opportunities

Learn how to:

- Spot low-cost opportunities for reducing energy consumption
- Monitor and record energy savings and losses
- Design and execute an energy action plan
- Take advantage of programs offered by NRCan
- Under development – Municipal Energy Workshop

www.oeenrcan.gc.ca/workshops

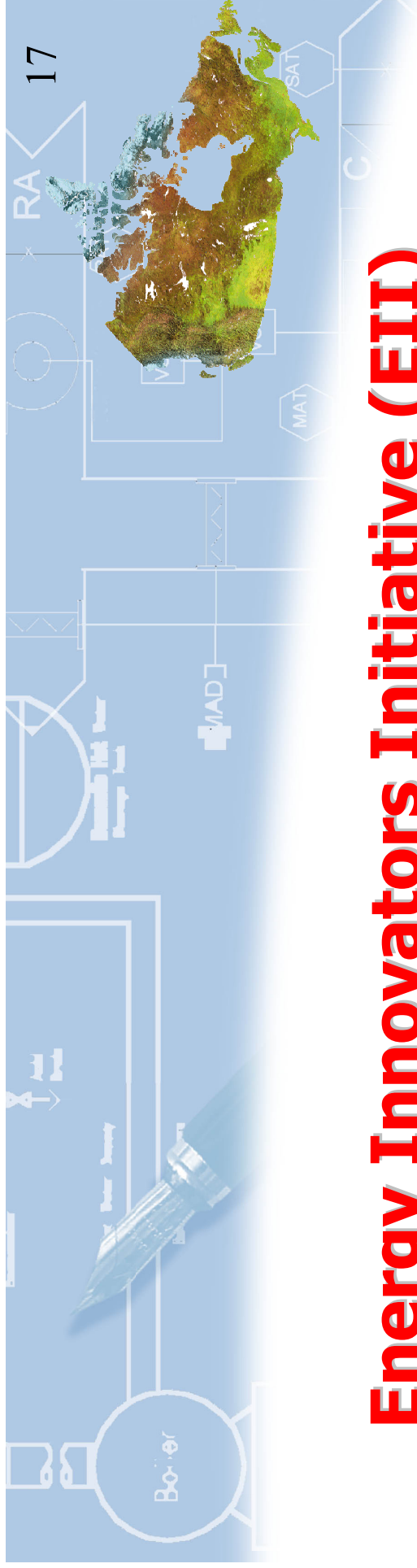


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THANK YOU!

MERCI!