REPORT OF THE UNIVERSITY RESEARCH BOARD
(URB)

2011 Annual Report of the Vice-President (Research)

FOR INFORMATION

1. **2011 Annual Report of the Vice-President (Research)**

Attached as **Appendix 1** is the 2011 Annual Report of the Vice-President (Research)

Western Research | Annual Report | 2011

Western University

Janice Deakin | Provost & Vice-President (Academic) | Acting Vice-President (Research)

Western Research

Presentation Outline

- What did we measure and why
- Key Research Objectives (Strategic Plan 2008-11)
- Where are we now
  - Research performance objectives and metrics for 2009-10
  - Trends in performance (2005-6 to 2009-10)
- Summary of data

- Looking forward

What do we measure?

For the most part we measure inputs

- Funding:
  - Total Research Funding (institutional benchmark)
  - Federal Research Funding: (Tri council; CERC, CRC; CFI Funding)
    - Absolute $; Absolute by Council; Normalized by # of faculty
    - Proportion of Eligible faculty funded
  - Total Contract Research Funding
    - Industrial partnerships (i.e. NSERC IP Chairs)
    - Licensing Activity and Income
  - Awards and Distinctions (i.e. Royal Society, 3M, Killam)

Why do we measure these things?

They are what we are measured against externally – and in absolute terms

- G13 (U 15) comparisons
- International Ranking (League Tables)

They are easier to measure and more universal in application than many output measures.

- In the fields where funding is necessary to conduct work, funding is a reasonable predictor of investigator productivity
- We need to find additional measures of performance that are applicable across varied disciplines

Advancing Key Research Objectives

Strategic Research Plan, 2008-2011

1. Cluster research strengths
2. Drive interdisciplinary, international research
3. Research objectives:
   - **Top five** in G13 for CFI; for each Tri-Council, normalized by faculty member; and for invention disclosures
   - **Second** in Ontario for CFI and Tri-Council funding
   - **Double** contract research and licensing income

Research Objectives - Metrics

Total Research funding:

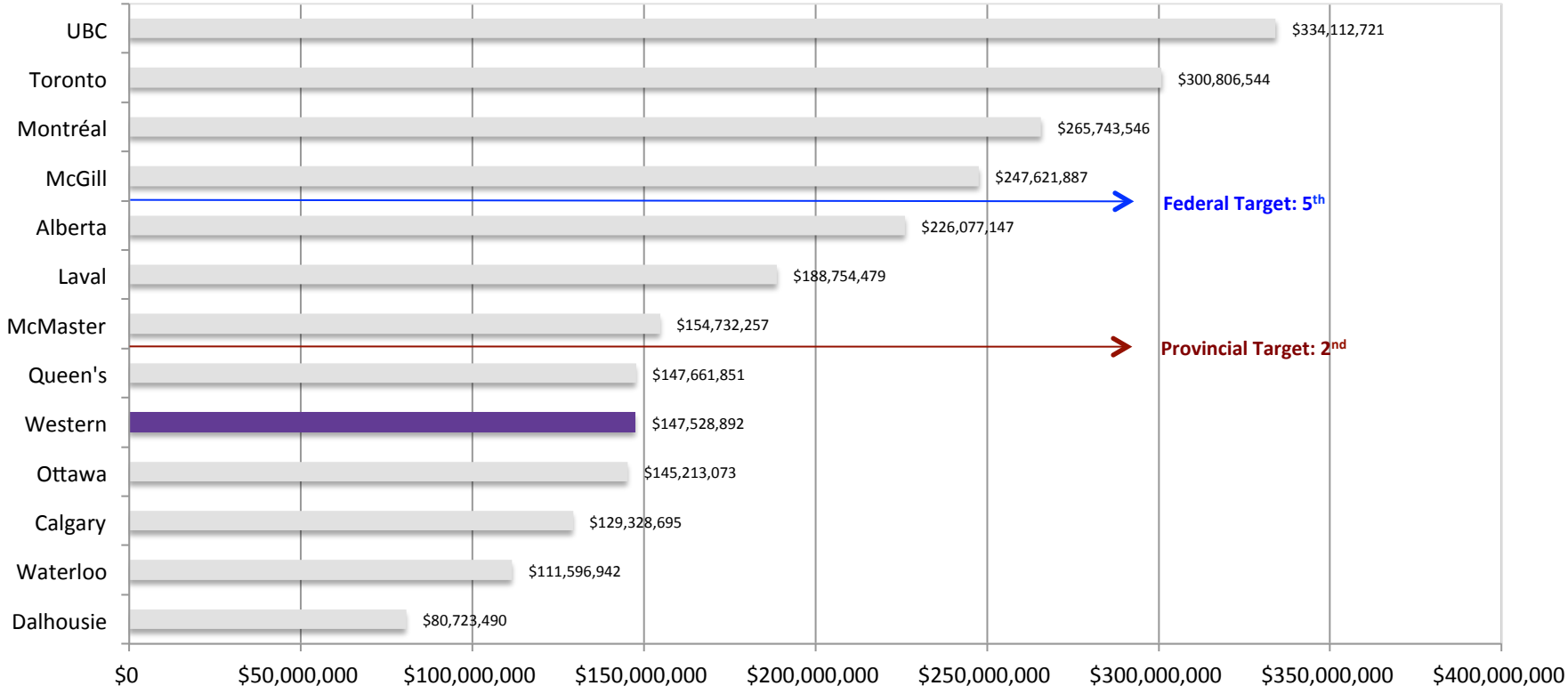
- 2010-11 total research funding: **$219,972,976**

CFI Funding:

- **Strategic Plan Objective**: **Second** in Ontario in CFI Funding
- **Performance:**

G13 CFI Awards by Constituent University, 1998-10

- Western: **$147,578,892** for **258** projects



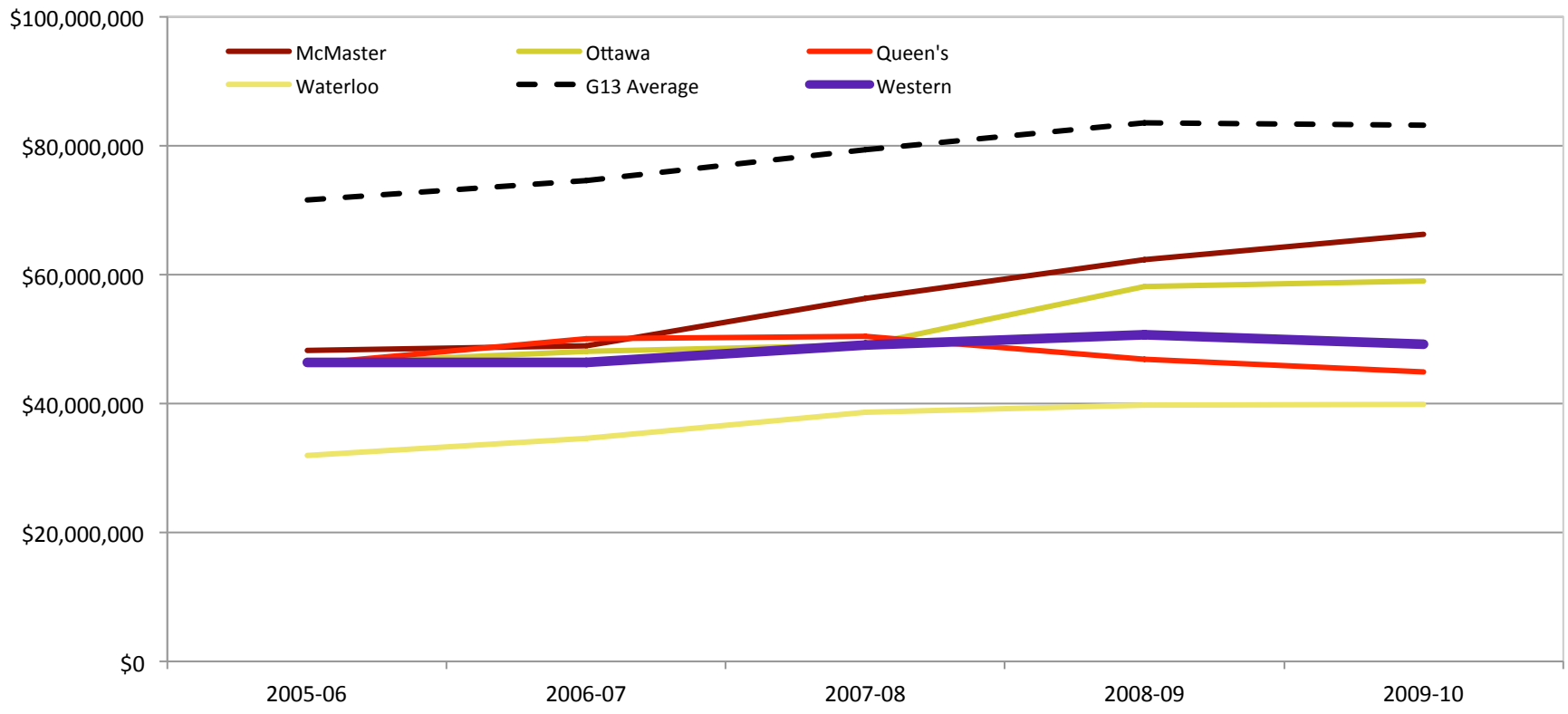
Research Objectives - Metrics

Total Tri-Council Funding

- **Strategic Plan Objective**: **Second** in Ontario in Tri-Council funding
- **Performance:**

G13 Tri-Council Funding, 2005-2010

- 2009-10 Tri-Council funding: **$49,226,767**



Research Objectives – Metrics (CIHR)

Canadian Institutes of Health Research (CIHR)

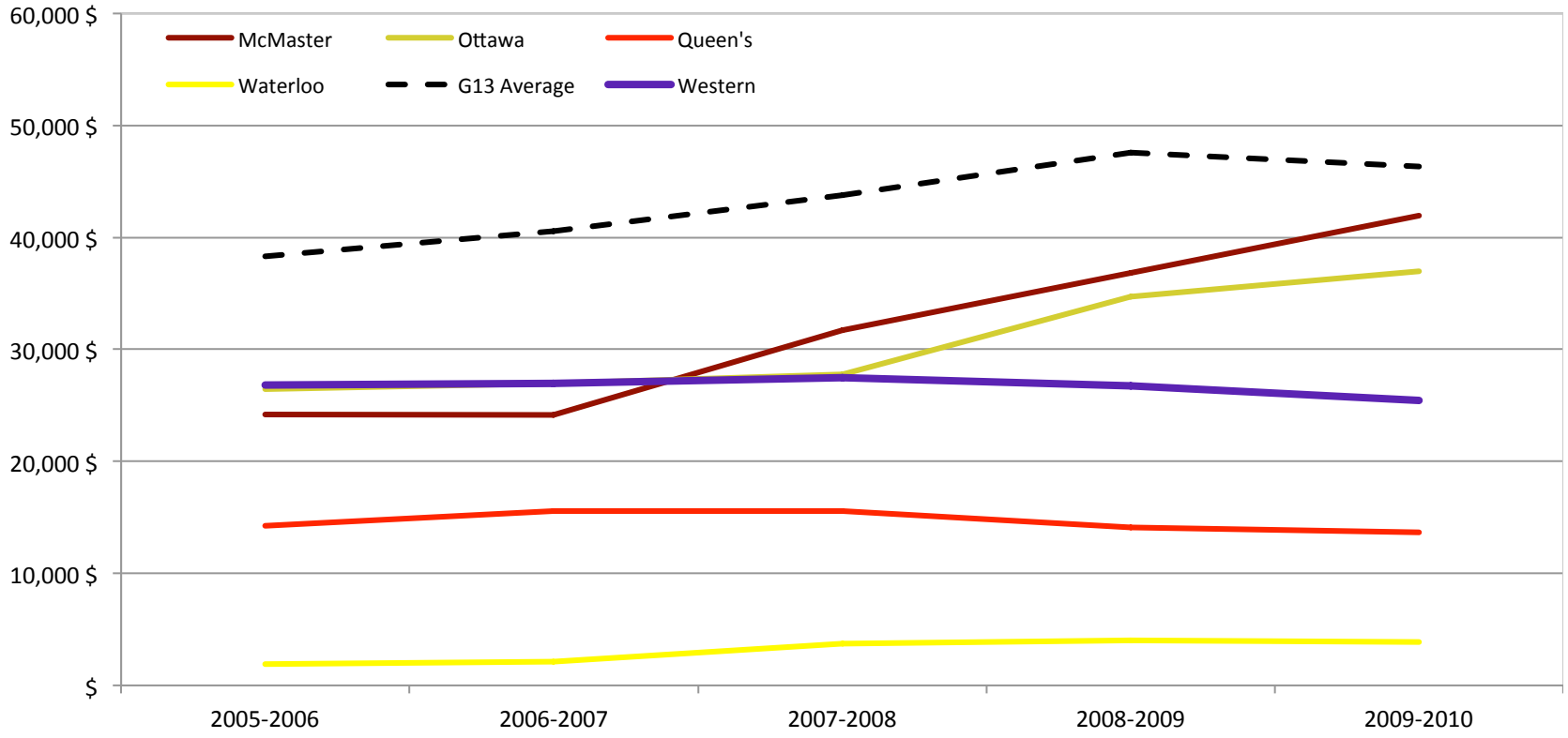
- 21.3% of Western researchers are '*CIHR eligible*'
  - 182 current CIHR grant holders of 230 'eligible': 79%
  - CIHR accounts for 47.7% of Western's Tri-Council funding

Strategic Plan Objectives: **Top five in G 13**

Performance:

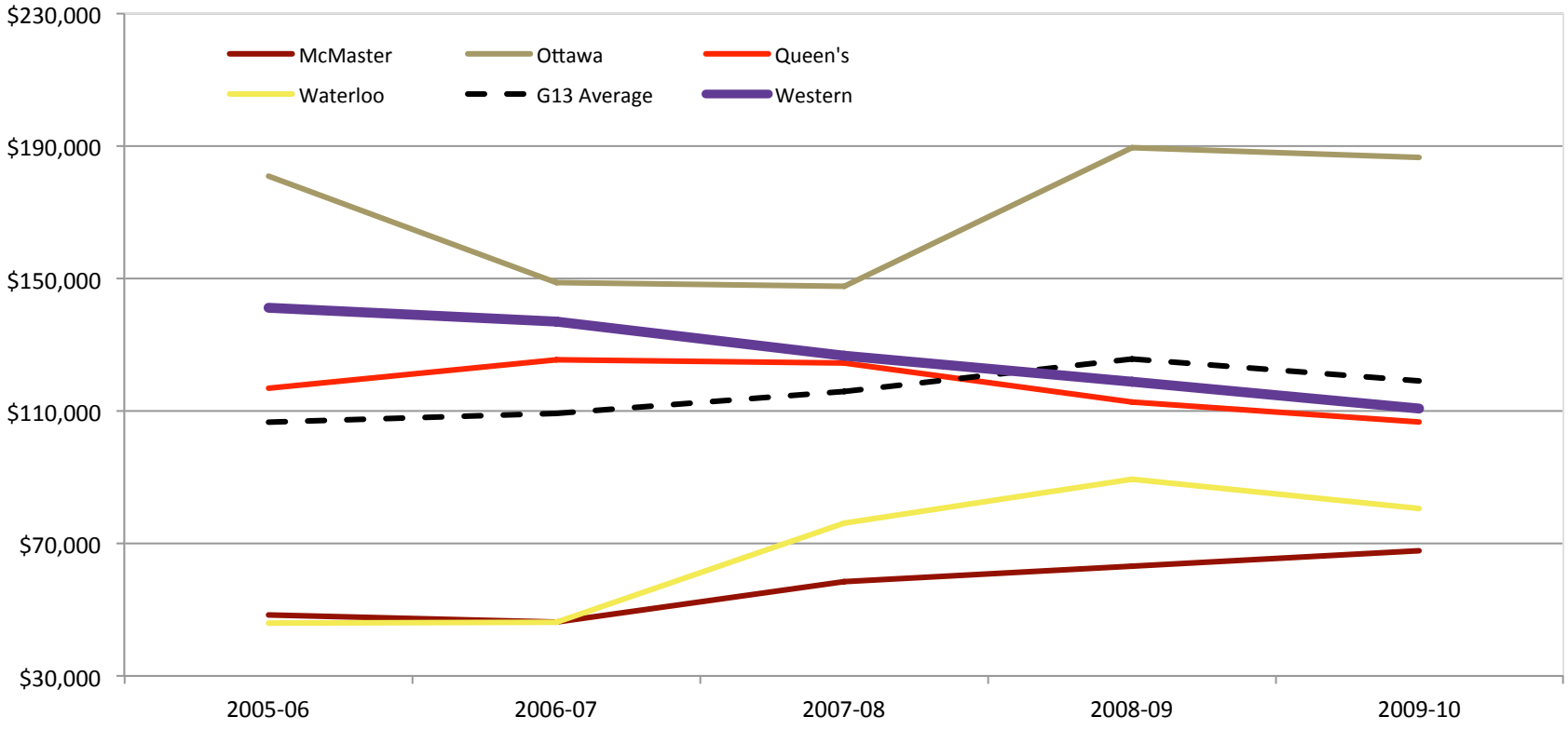
G13 CIHR Grant Funding ($,000), 2005-10

- 2009-10 CIHR grant funding: **$25,445,735**



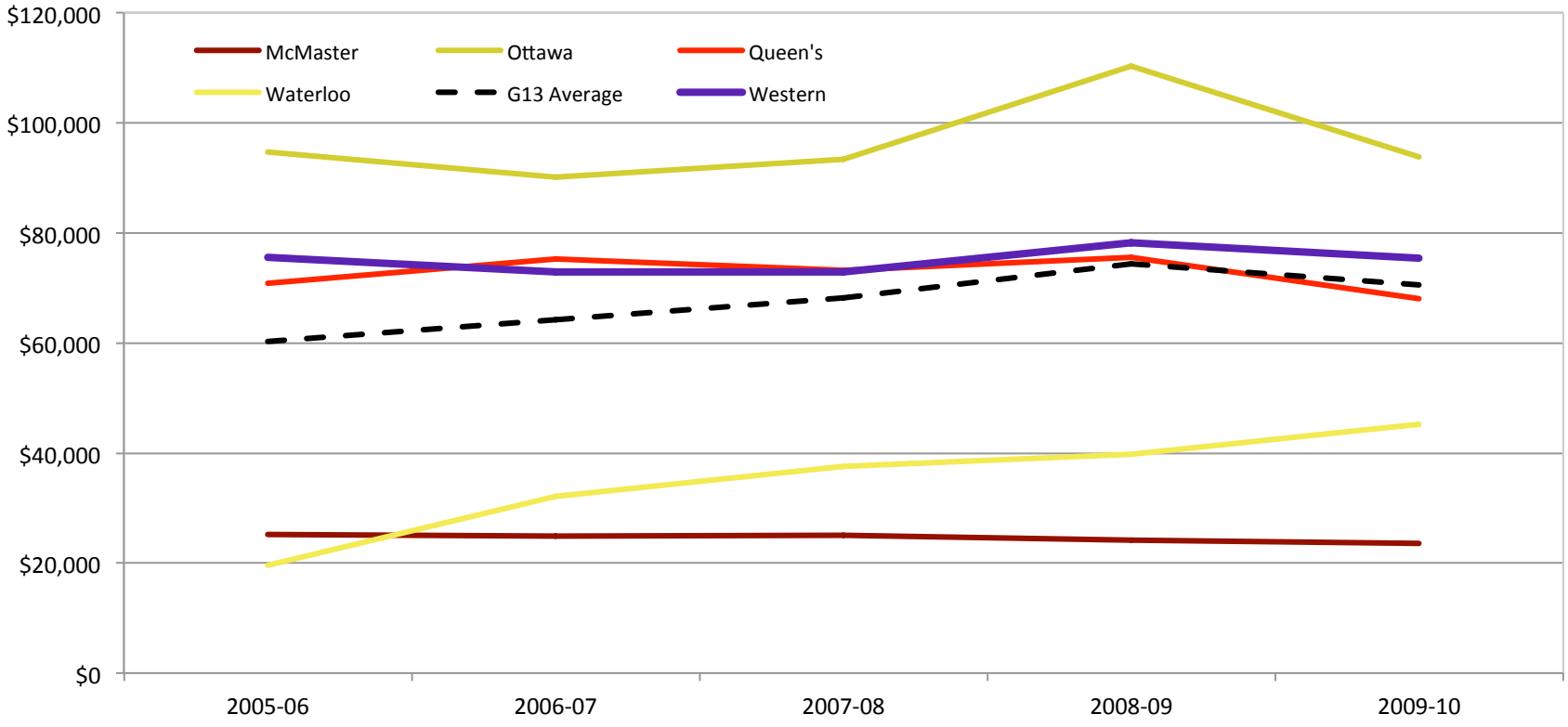
G13 CIHR Funding, Normalized, 2005-10

- 2009-10 CIHR funding per eligible researcher: **$110,634**



G13 CIHR Operating Grants, Normalized, 2005-10

- 2009-10 CIHR Operating Grant funding per eligible researcher: **$75,442**



Research Objectives and Metrics – NSERC

Natural Sciences and Engineering Research Council (NSERC)

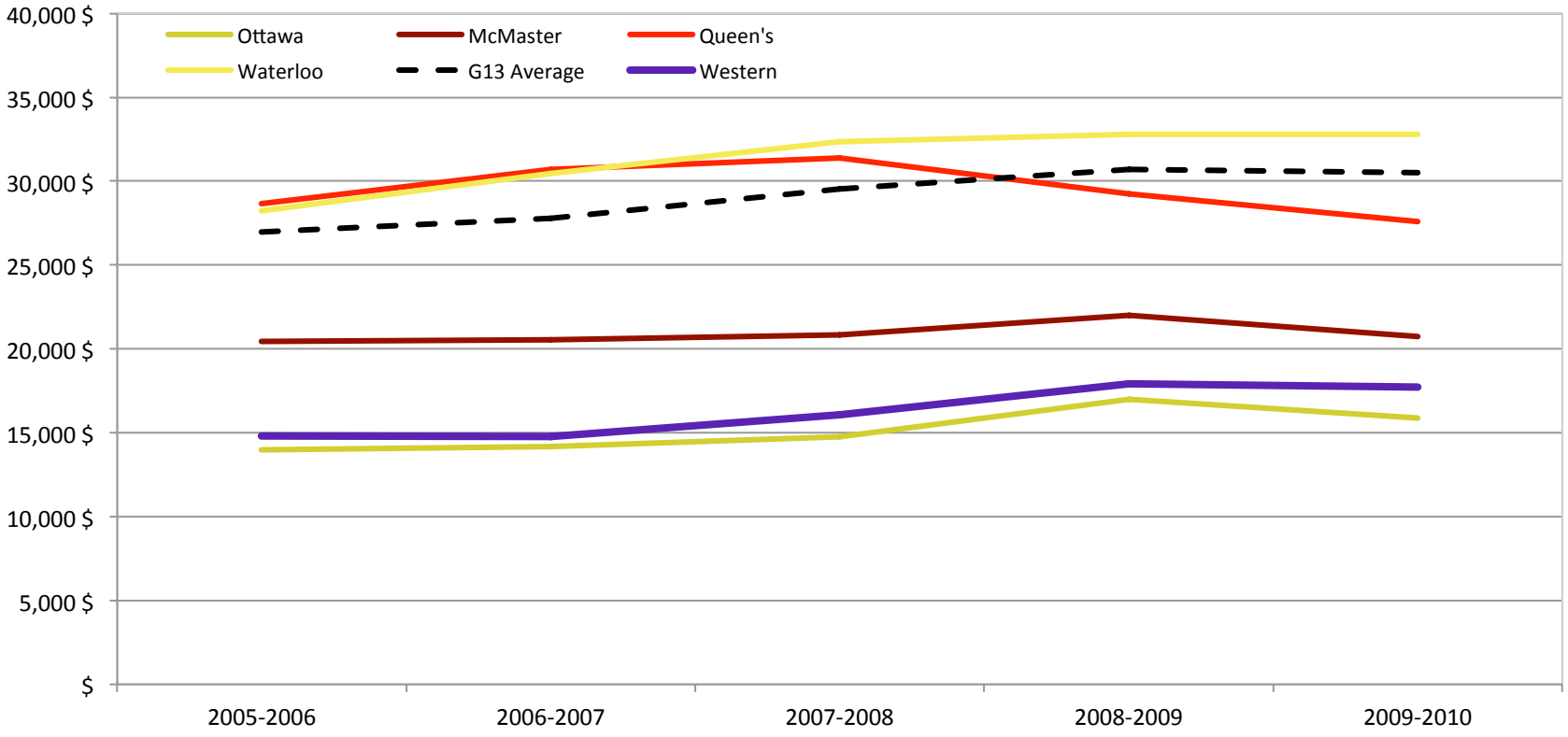
- 26% of Western researchers are '*NSERC eligible*'
  - 424 current NSERC grant holders of 279 'eligible': 152%
  - NSERC accounts for 37.6% of Western's Tri-Council funding

Strategic Plan Objectives: **Top five in G 13**

Performance:

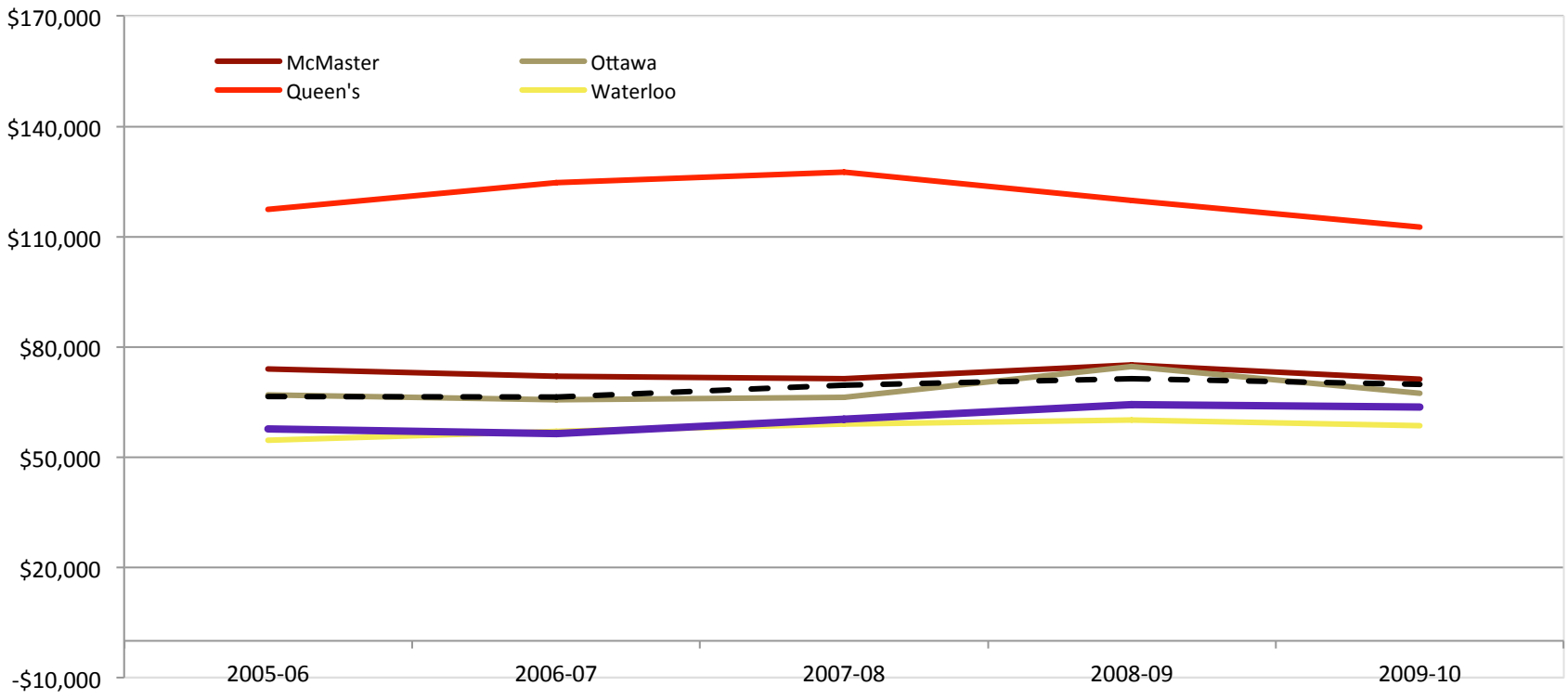
G13 NSERC Grant Funding ($,000), 2005-10

- 2009-10 NSERC grant funding: **$17,743,133**



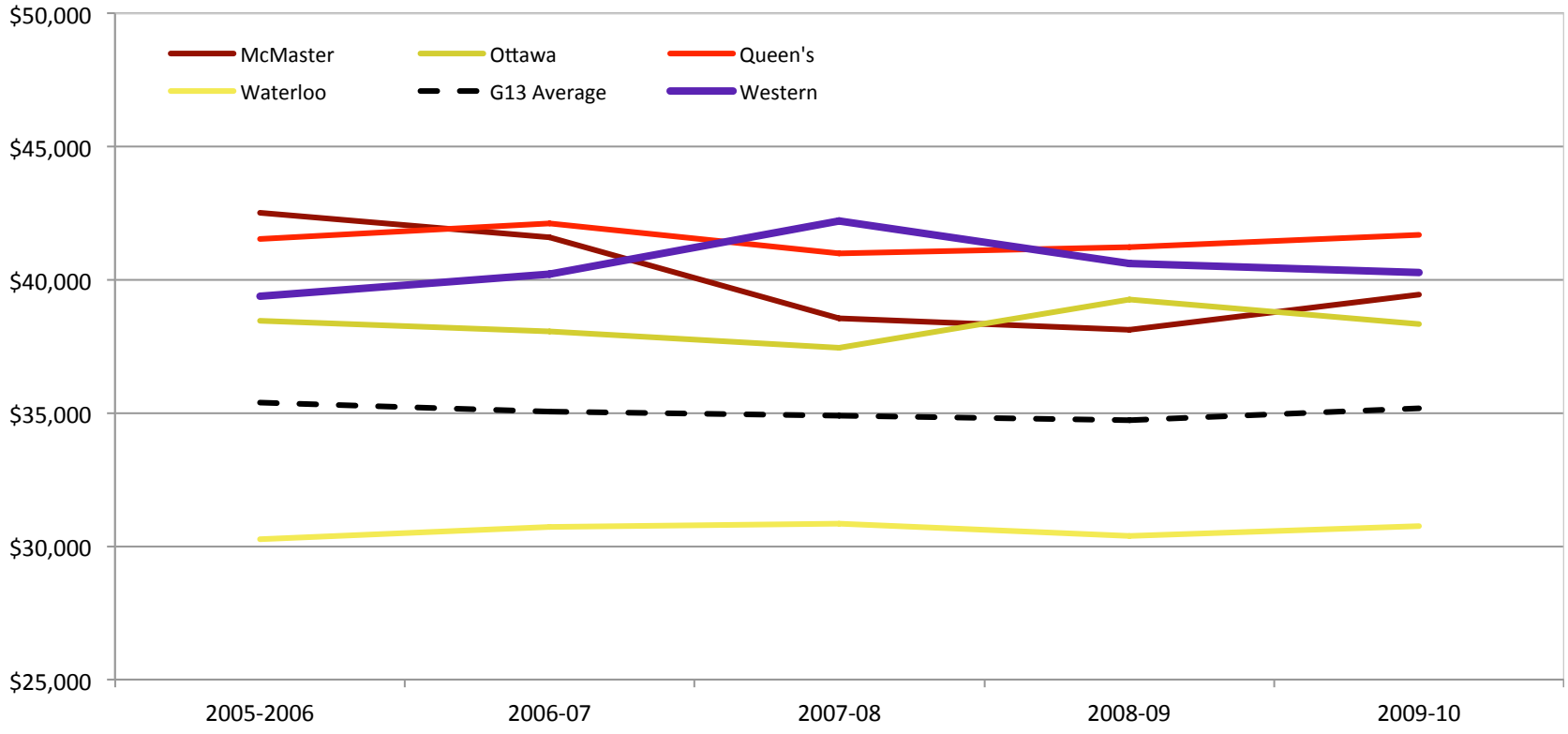
G13 NSERC Funding, Normalized, 2005-10

- 2009-10 NSERC funding per eligible researcher: **$63,595**



G13 NSERC Discovery Grants, Normalized, 2005-10

- 2009-10 NSERC Discovery funding per eligible researcher: **$40,284**



Research Objectives – Metrics (SSHRC)

Social Sciences & Humanities Research Council (SSHRC)

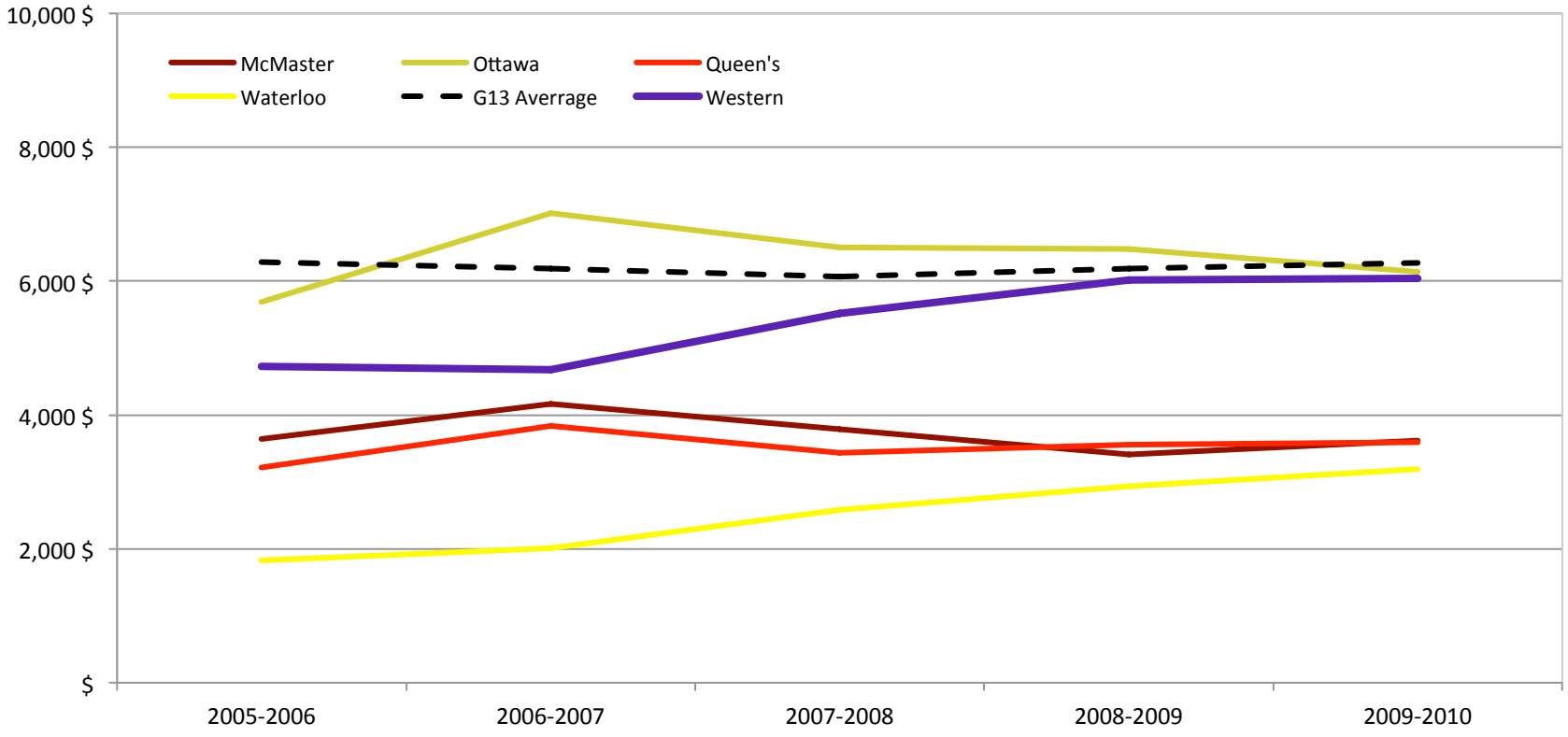
- 53% of Western researchers are '*SSHRC eligible*' (3rd most in G13)
  - 168 current SSHRC grant holders of 573 'eligible': 29%
  - SSHRC accounts for 14.6% of Western's Tri-Council funding

Strategic Plan Objectives: **Top five in G13**

Performance:

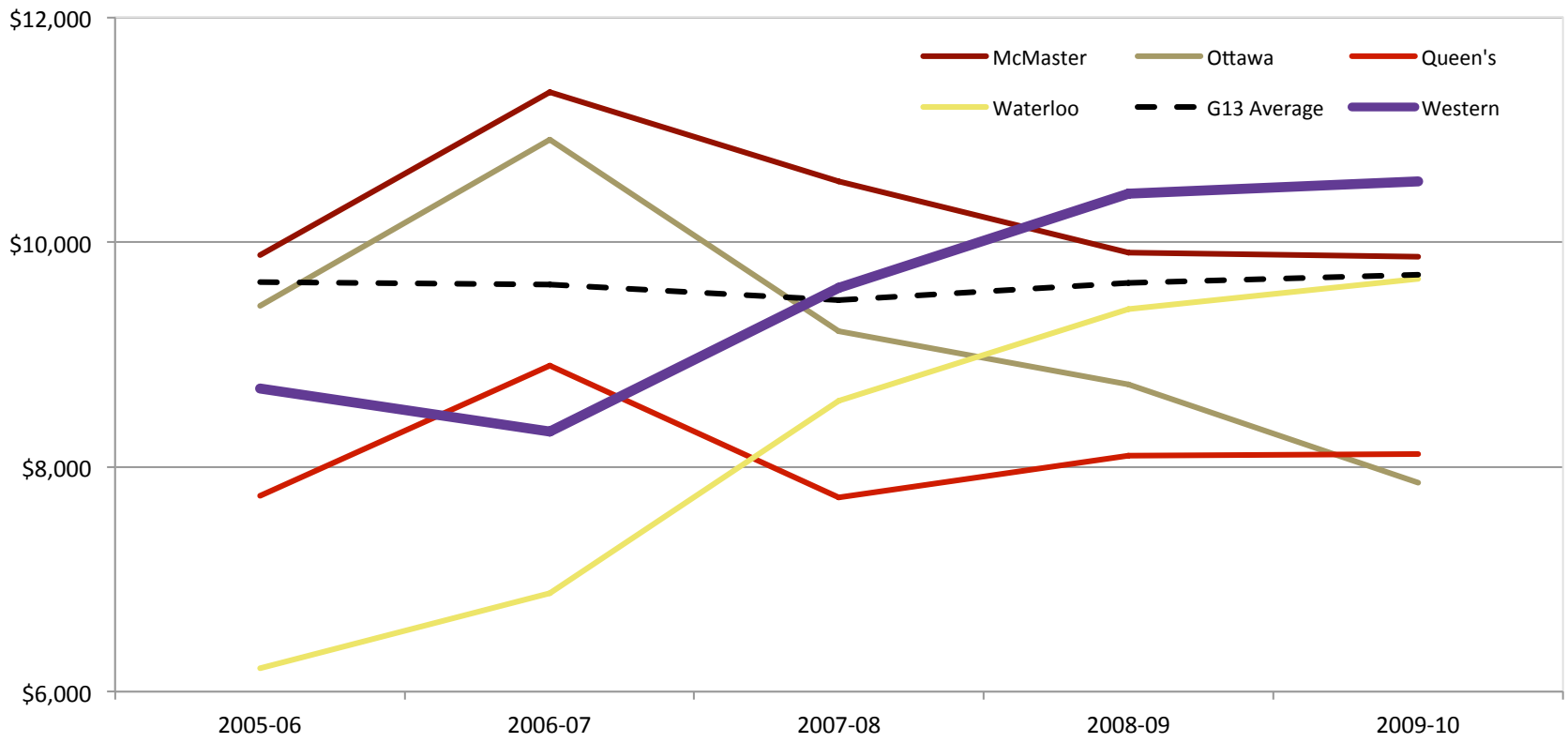
G13 SSHRC Grant Funding ($,000), 2005-10

- 2009-10 SSHRC grant funding: **$6,037,899**



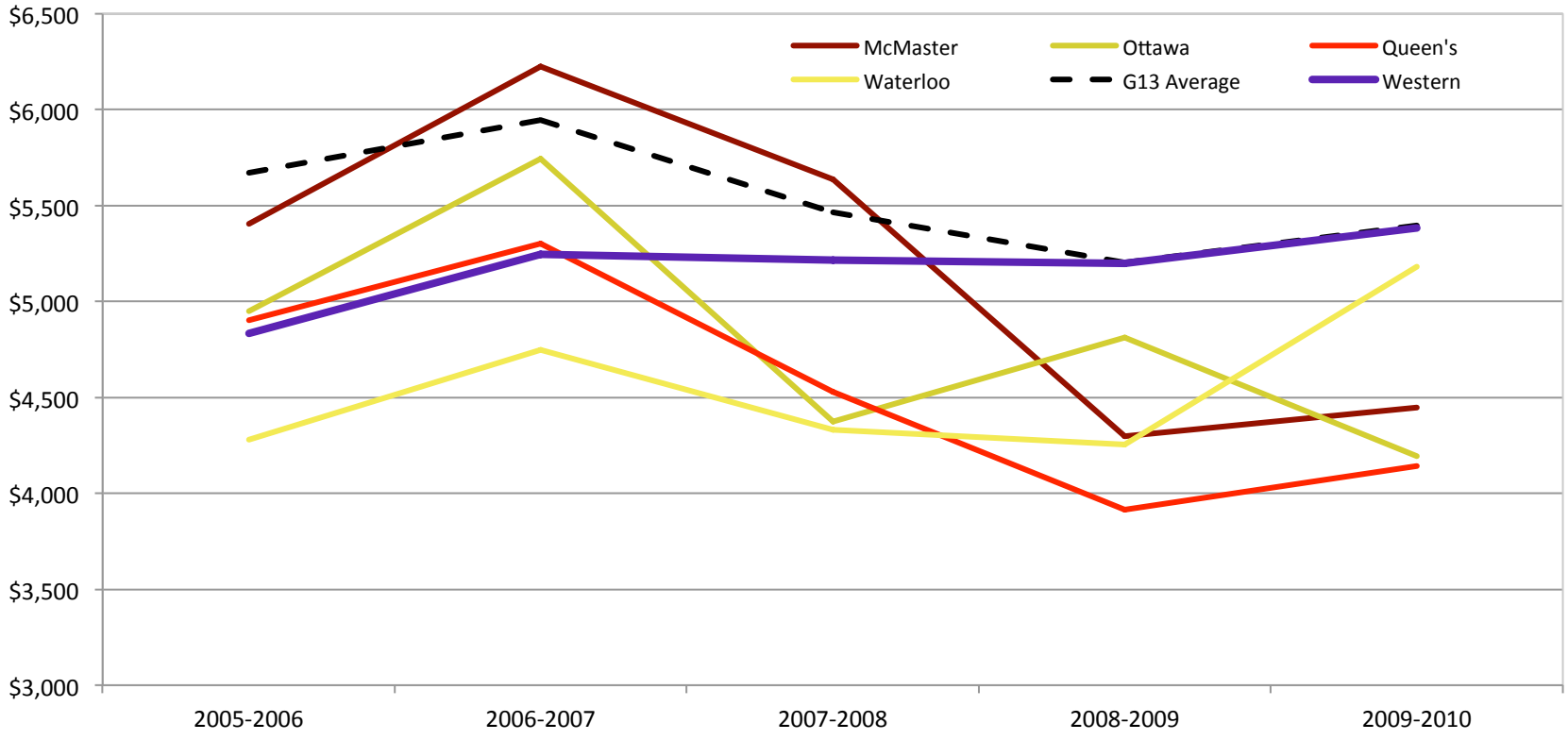
G13 SSHRC Funding, Normalized, 2005-10

- 2009-10 SSHRC funding per eligible researcher: **$10,537**



G13 SSHRC Standard Grants, Normalized, 2005-10

- 2009-10 SSHRC Standard funding per eligible researcher: **$5,384**



Research Objectives – Metrics (CRC's)

Canada Research Chair

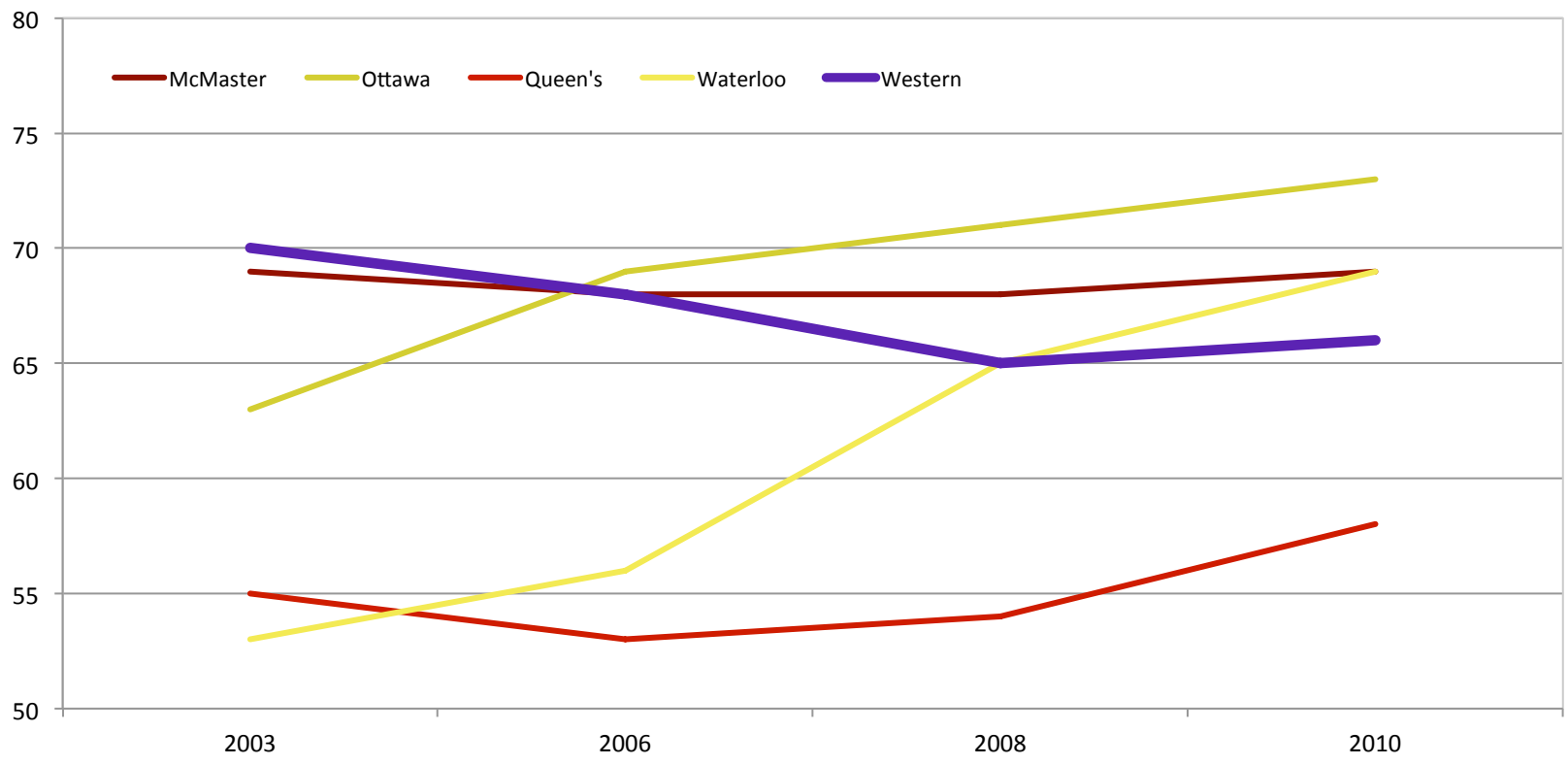
- 66 Chairs are allocated to Western – down 4 since 2003

Strategic Plan Objectives: **Top five in G 13**

Performance:

G13 Canada Research Chairs Reallocation, 2003-10

- 2010 CRC allocation: **66**



Research Metrics – Tech Transfer and Industry

Contract Research, Industry Funding, Licensing Income

Strategic Plan Objective: Double contract research

Performance:

- 20.5% decrease over 5 years**

Strategic Plan Objective: **Double** licensing income

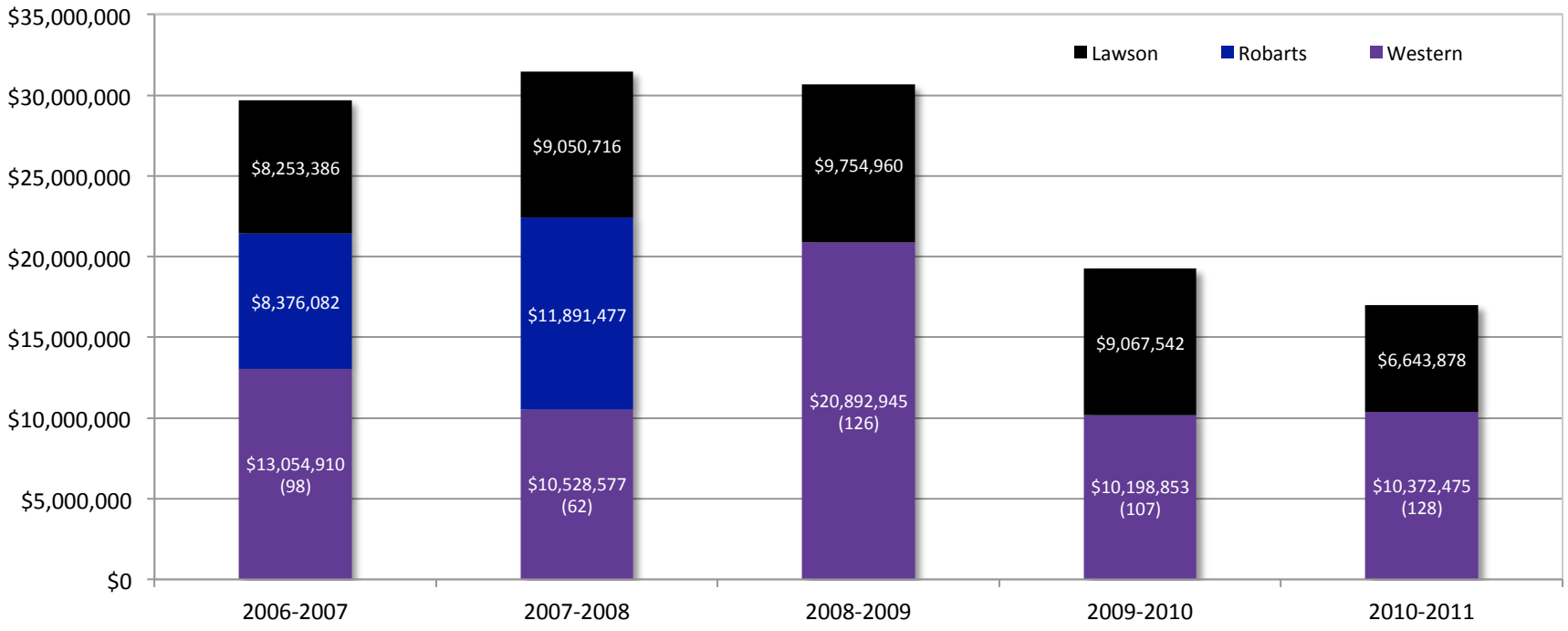
Performance:

- 6.4% increase over 5 years

**(2008)

Contract Research, 2006-11

- Total contract research: **$17,016,353**
  - Western: $10,372,475 for 128 contracts
  - Affiliates: $6,643,878, down 26.7%



Research Metrics – Industrial Partnerships

Industrial Partnerships leading to matching funding opportunities:

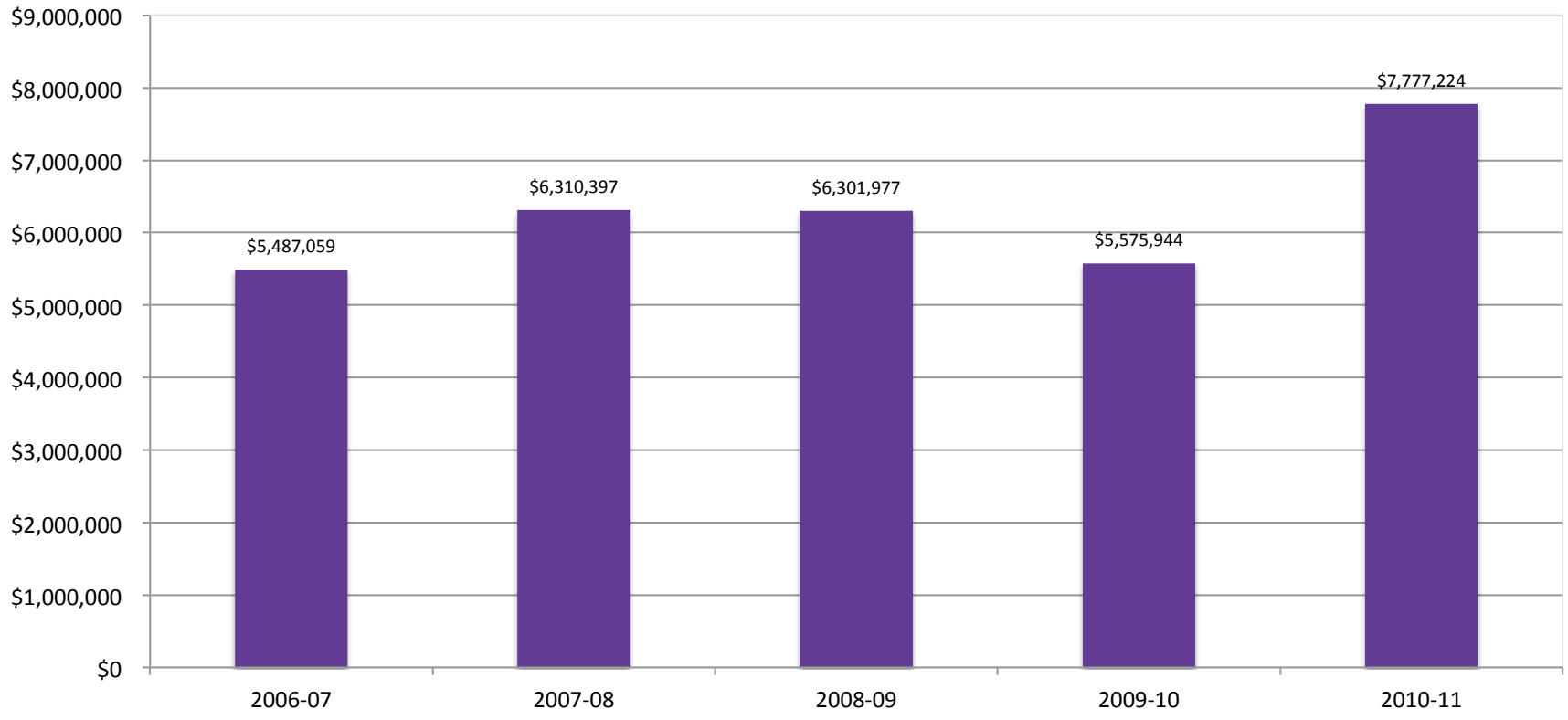
Strategic Plan Objective: Double the number of Partnerships

Performance:

- 41% increase in 5 years
- **More than Doubled** in 6 years

Industry Partnerships, 2006-11

- Total funding from corporations: **$7,777,224**



Summary of where we are:

- Relative position as a research institution in Canada
- Strong reliance on SSHRC funding
- Tri-Council funding is not evenly distributed
- WORLDiscoveries: a Canadian leader in knowledge transfer

Looking Forward

- Research culture must be nurtured from within
- Focus on strategic areas of research strength
- Strategic faculty hires in support of research excellence
- Visiting Scholars Program
- Research structure and reporting lines
- Central support infrastructure and ancillary research facilities
- Government funding programs are changing
- Awards and distinctions have been decentralized
- Appoint a Vice- President Research

Western

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