

Electronics Recycling in Hennepin County

Minnesota Solid Waste Administrators
Association Conference

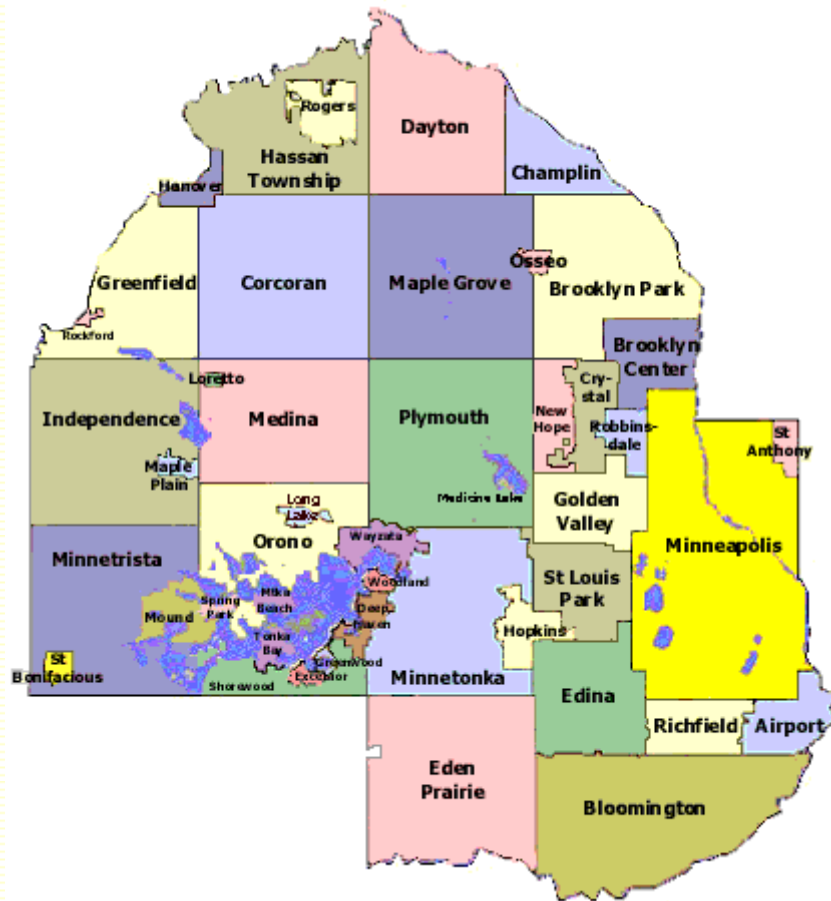
September 11, 2008

Outline



- ❑ Before the E-waste Law
 - ❑ Implementation
 - ❑ Results from Year One
 - ❑ Looking Forward
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Hennepin County



Population
1,122,093

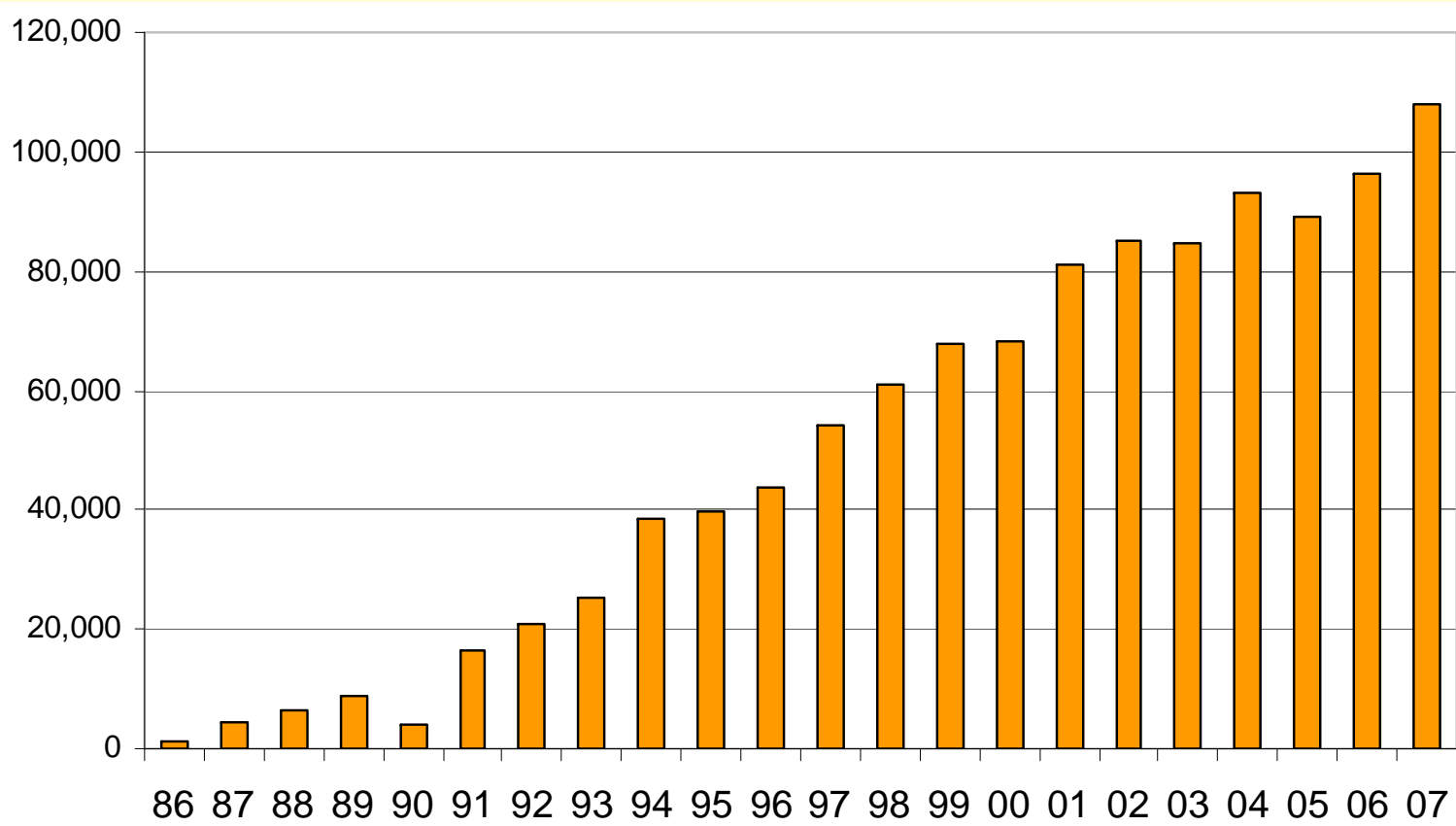
Brooklyn Park Transfer Station



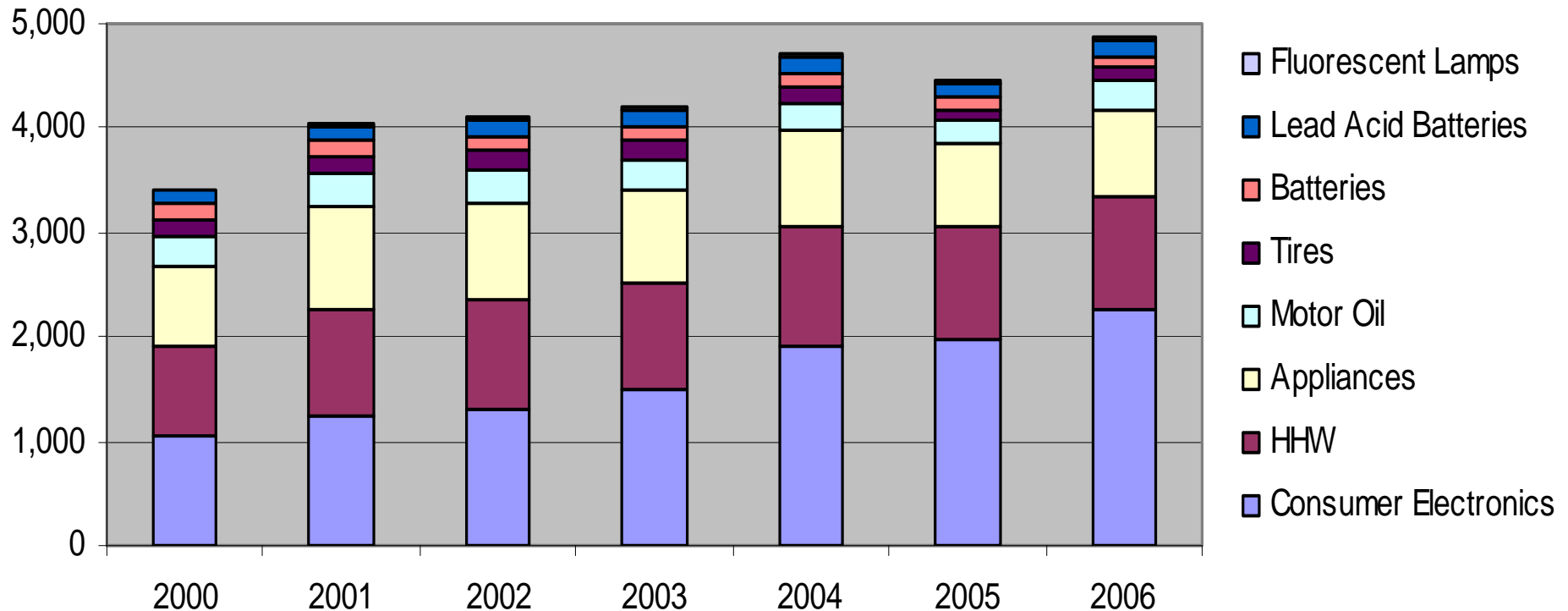
South Hennepin (Bloomington)



HHW/PM Participation



Tons of HHW/PM



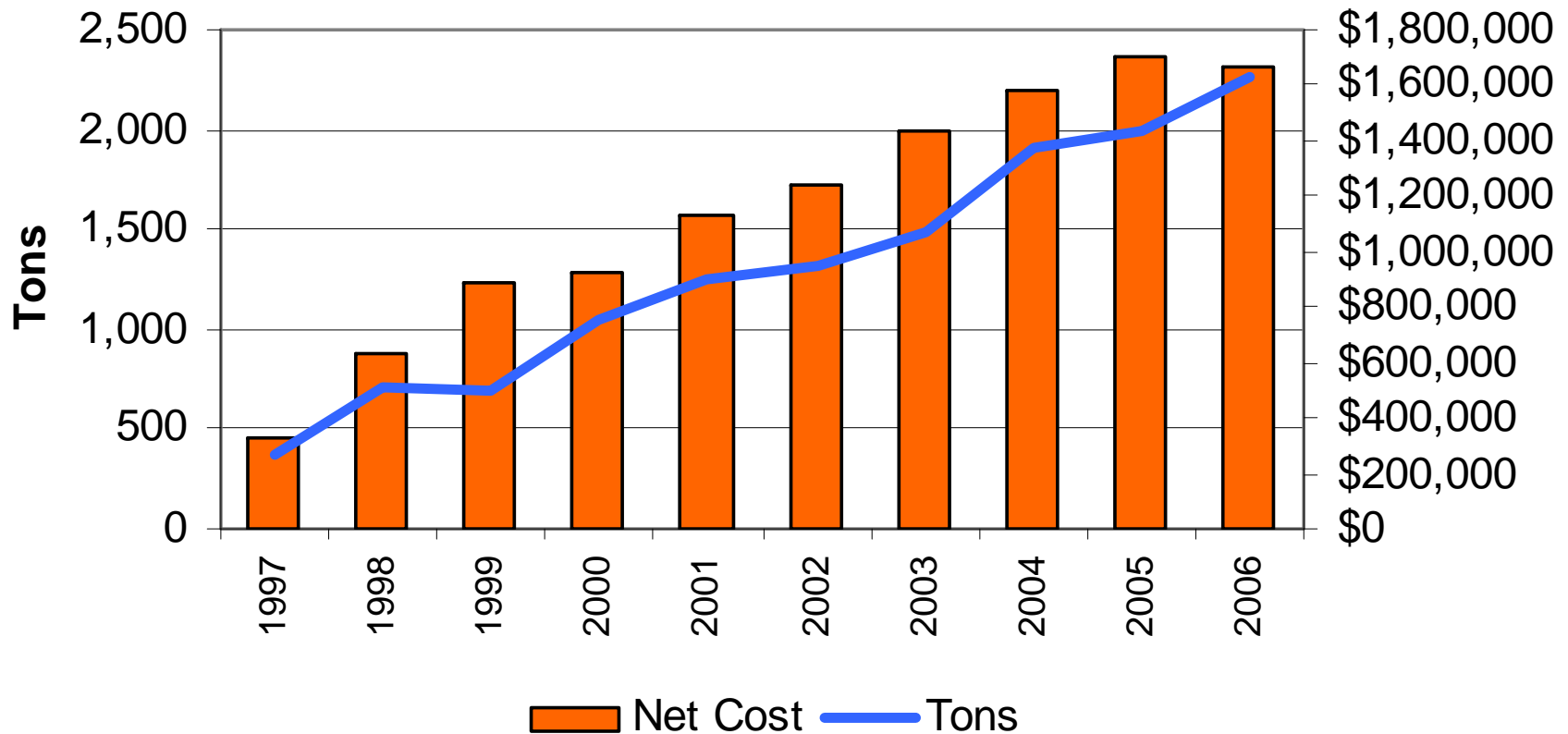
Consumer Electronics Program

- Collection – facilities, events, cities
 - Demanufacturing – PPL Industries
 - Recycling – Asset Recovery Corp.
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E-waste?

- Televisions
 - Computers
 - VCRs and DVD players
 - Fax machines
 - Audio/visual equipment
 - Telephones and PDAs
 - Miscellaneous
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Consumer Electronics Tons & Cost



§115A.1310 to 115A.1330

Phases of Change

- Shock
 - Disbelief
 - Doubt
 - Acceptance
 - Search for Meaning
 - Integration
 - Experimentation
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Implementation

Goals

1. Continue offering collection
 2. Modify operations to track CEDs
 3. Share the cost with manufacturers
 4. Maintain recycling practices
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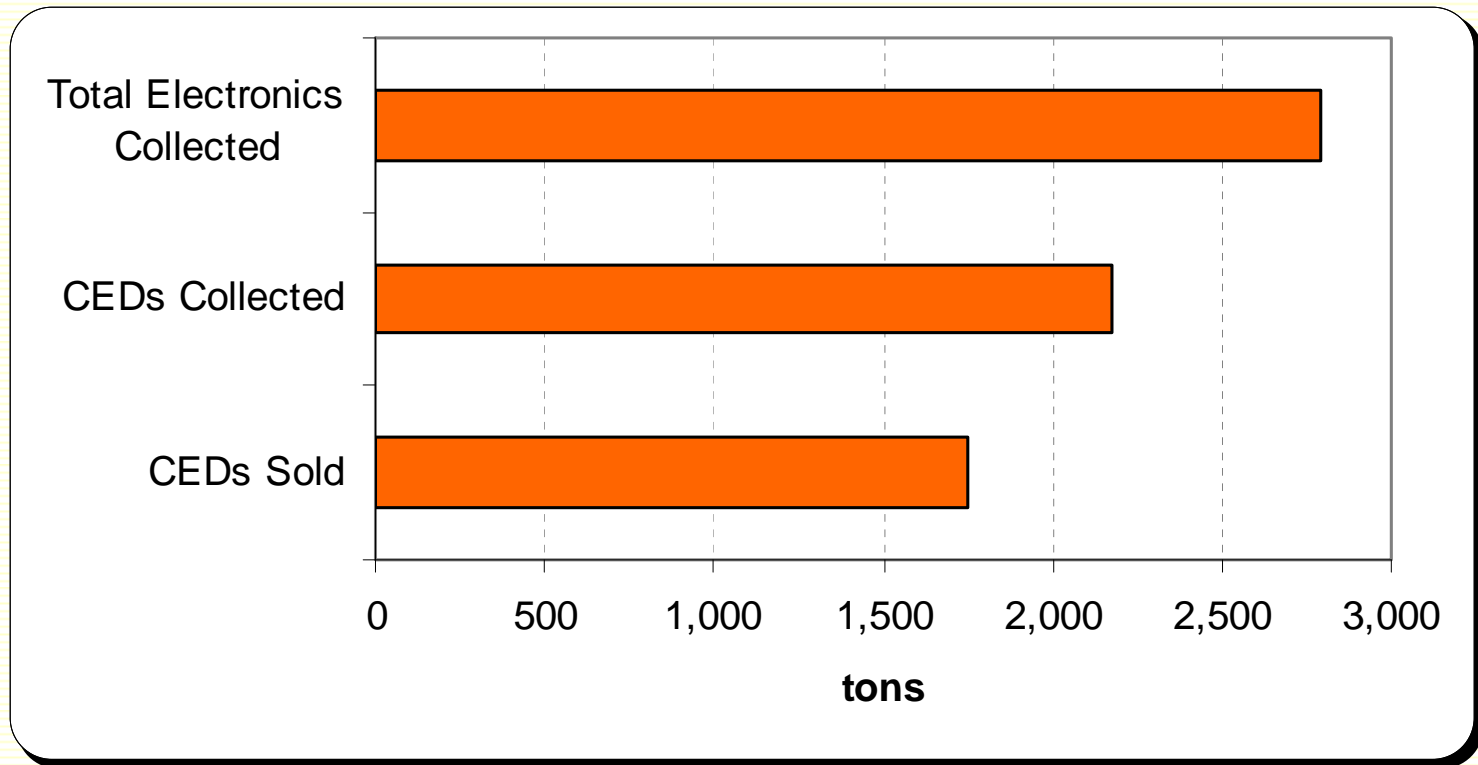
Request for Bids

- RFBs sold Hennepin County's service of collecting, transporting, and arranging for the recycling of CEDs
 - These "service pounds" may be used by the high bidder to count toward obligations under the state law
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Request for Bids: Year One

Winning Bidder	Pounds	Price	Extension
CRT Processing, Inc.	709,322	\$ 0.2050	\$ 145,411.01
MRM, Inc.	1,189,205	\$ 0.2100	249,733.05
Apple, Inc.	651,817	\$ 0.1876	122,280.87
Apple, Inc.	136,527	\$ 0.1476	20,151.39
Apple, Inc.	332,494	\$ 0.1476	49,076.11
<i>Total</i>	3,019,365	\$ 0.1943	\$ 586,652.43

Quantity from Year One



Request for Proposals

- Assessment of current situation
 - State electronics contract expiration on 5/31/2008
 - RFP for recycling of e-waste released in February 2008
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Goal: Maximize sound recycling at a reasonable cost to the county.

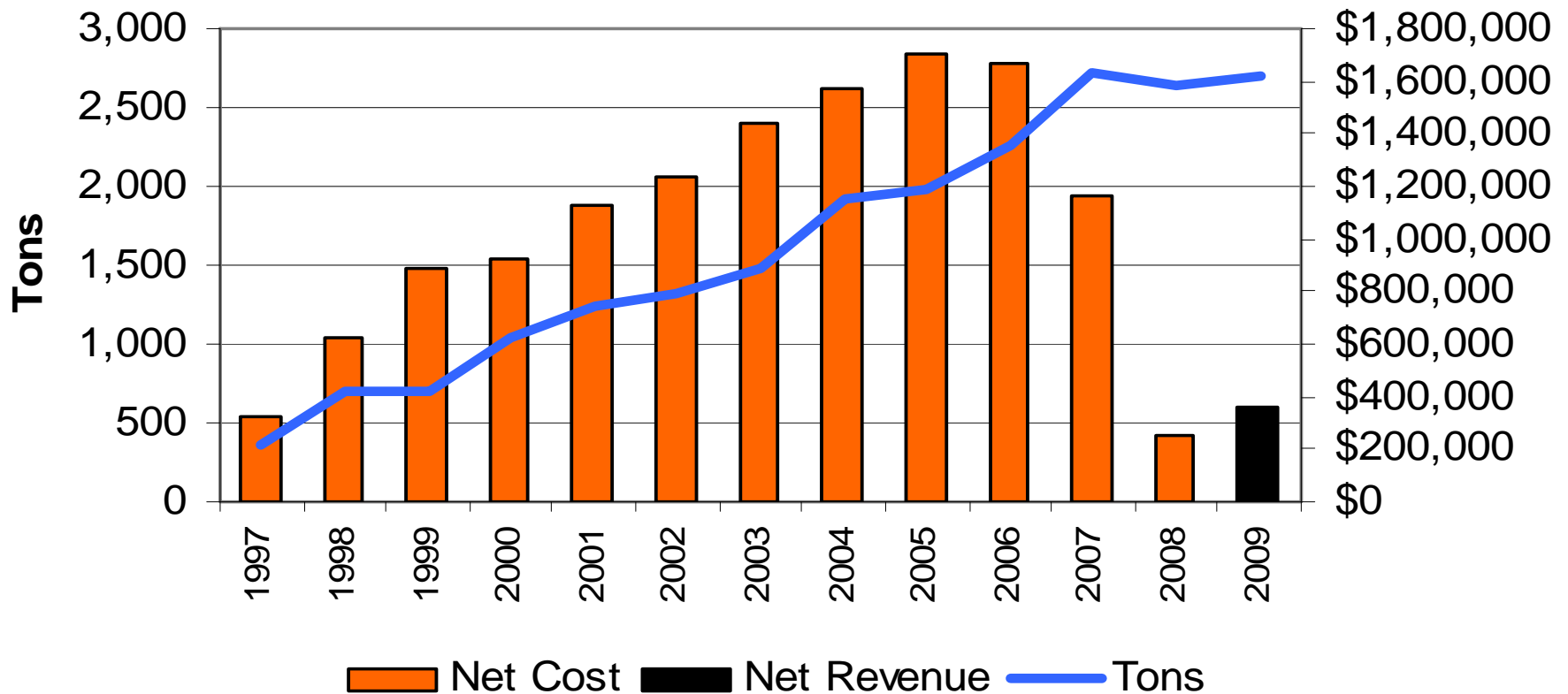
- Modeled after state e-waste contract

 - Recycler proposals included:
 - General background
 - Financial and insurance information
 - Management plan
 - Facility and transporter audits
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RFP Results

- Materials Processing Corporation selected as the most responsive
 - MPC pays the county \$0.115/lb of CEDs and \$0.00 for non-CEDs
 - MPC has the right to sell the “service pounds” to manufacturers
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Consumer Electronics Tons & Cost



Lessons Learned

- Operational requirements
 - Sorting & weighing
 - Documenting & reporting
 - Transportation/logistics

 - Maintain high environmental standards
 - State contract was model
 - SWMCB Principles for Responsible Recycling
 - US EPA Best Management Practices
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Looking Forward

- Digital Television
 - State summary of year one
 - Reporting accountability
 - Long-term viability
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The End
