

# City of Everett Climate Action Plan



**Final Presentation of Strategies &  
Recommendations**



May 25, 2011

# Presentation Agenda



- Project Overview
- Everett's Municipal Operations GHG Emissions Inventory – results
- GHG Emissions Forecast
- Analysis Main Results
  - Continuation of Existing Programs
  - Expansion of High-Performing Programs
  - Introduction of High-Impact New Programs
- GHG Reduction Target Framework



# Project Overview

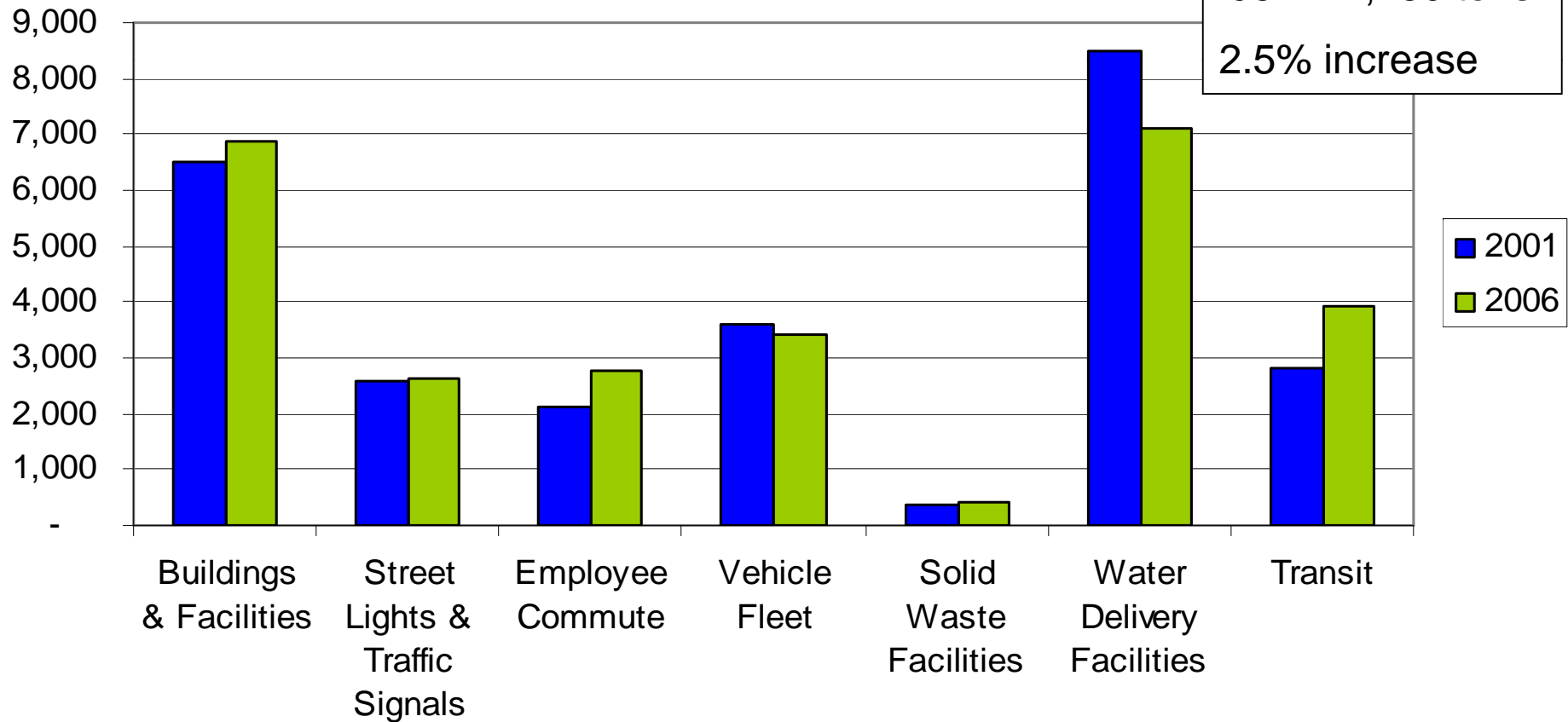
- Step 1 – Analyzed & Updated Existing GHG Inventory for Municipal Operations (2001 & 2006)
- Step 2 – Drafted Framework for Setting Future GHG Reduction Target(s)
- Step 3 – Conducted Analysis of GHG Impact for Existing City Actions
- Step 4 – Conducted Analysis of GHG Impact for Potential New & Expanded Actions
- Step 5 – Drafted & Delivered Municipal Operations Climate Action Plan



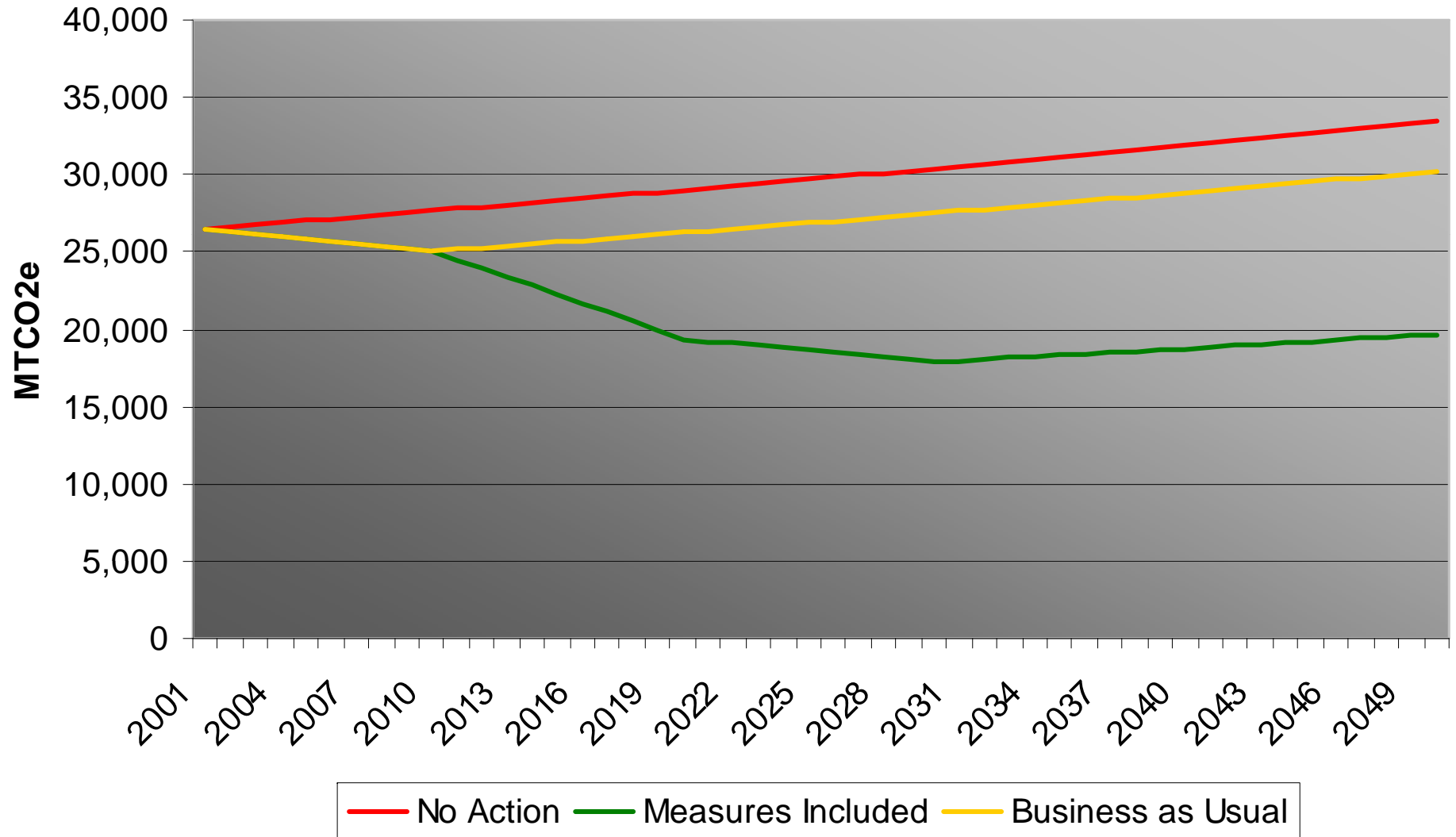
# Inventory Comparison: Updated Inventory Results (2011)

**CO<sub>2</sub>e (Metric Tons)**

Total emissions:  
'01 – 26,503 tons  
'06 – 27,130 tons  
2.5% increase



# Revised Emissions Forecast



# Analysis Main Results



- Continuation of Existing Programs
- Expansion of High-Performing Programs
- Introduction of High-Impact New Programs



# Continuation of Existing Programs



- Largest Current Single Source Reductions:
  - Employee Commute Trip Reduction Program
  - Energy efficiency in Water Delivery System
  - Biofuels in Vehicle Fleet
- Economic Savings ~ \$275,000 annually  
Extremely conservative estimate



# Expansion of High Performing Programs



- Significant GHG Emissions Reductions:
  - Near-Term (2010-2020)
    - Energy efficiency from facilities retrofits
    - Energy efficiency in water delivery & wastewater system
    - Commute Trip Reduction
  - Longer-Term (2015-2030)
    - Expansion of hybrid & electric vehicles (including transit fleet)





# Introduction of New High-Impact Programs



- Green Purchasing
- Greatest Single Source Reduction
  - Anaerobic digester(s) at wastewater treatment plant (long-term: 2030)





<b>Net Impact of All Programs – MTCO<sub>2</sub>e</b>	<b>2001 – 2010</b>	<b>%</b>	<b>2015</b>	<b>%</b>	<b>2020</b>	<b>%</b>	<b>2030</b>	<b>%</b>
Total Reduction from Existing Measures	2,880	11%	2,880	11%	2,880	11%	2,880	11%
Total Reduction from All Expansion Measures	-	-	688	3%	1,438	5%	3,899	15%
Total Reduction from New Measures	-	-	35	0%	2,790	11%	3,083	12%
<b>Total Combined Reduction</b>	-	-	<b>3,603</b>	<b>14%</b>	<b>7,108</b>	<b>27%</b>	<b>9,862</b>	<b>37%</b>

# Reduction Target – Context



- Kyoto – 7% below 1990 levels by 2012 (MCPA)
- IPCC (2°) (450 ppm) – 80% below 1990 levels by 2050
- USA (COP15) – 17% below 2005 by 2020
- Washington State – 25% below 1990 by 2035
- Snohomish County – 20% below 2000 by 2020
- City of Kirkland – 20% below 2005 by 2020
- Bellevue, Edmonds – 7% by 2012 (Kyoto)





# GHG Target Framework

- Multiple target years
  - For example: 2020 & 2030
- 2020
  - Conservative: 15%
  - Ambitious: 25%
- 2030
  - Conservative: 25%
  - Ambitious: 35%



# Questions?

