



Climate Action Revenue Incentive Program

May 2017



Provincial Climate Action Charter

- ▶ Kelowna signed in 2007
- ▶ Commits municipalities to:
 - ▶ Being carbon neutral in corporate operations;
 - ▶ Measure and report GHG emissions;
 - ▶ Create complete, compact and energy efficient communities.
- ▶ Signatories eligible for the annual CARIP grant.

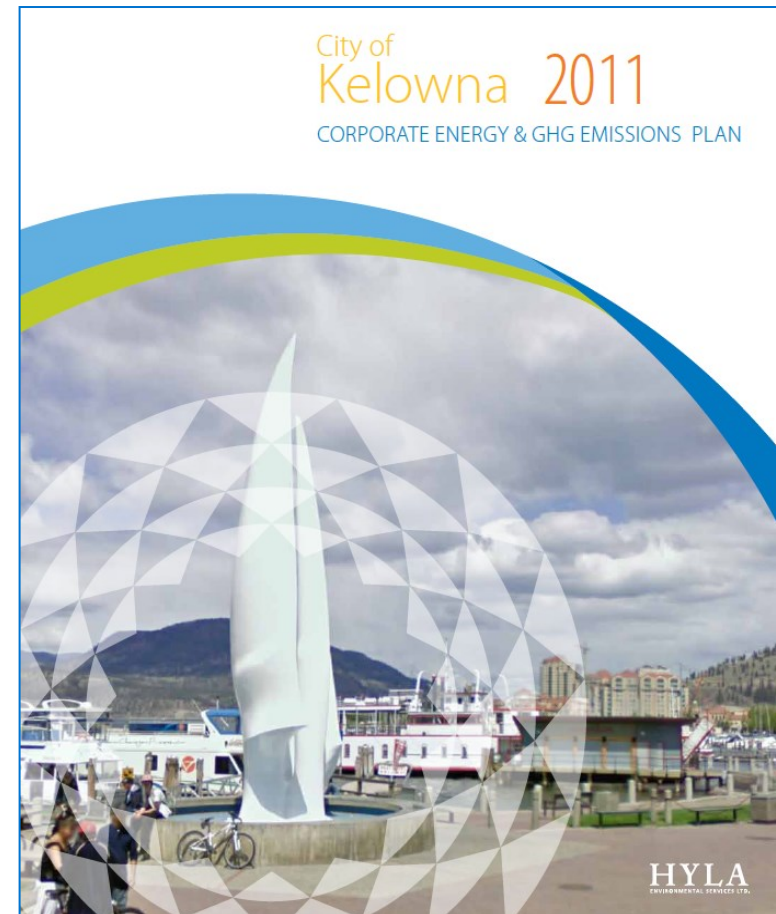
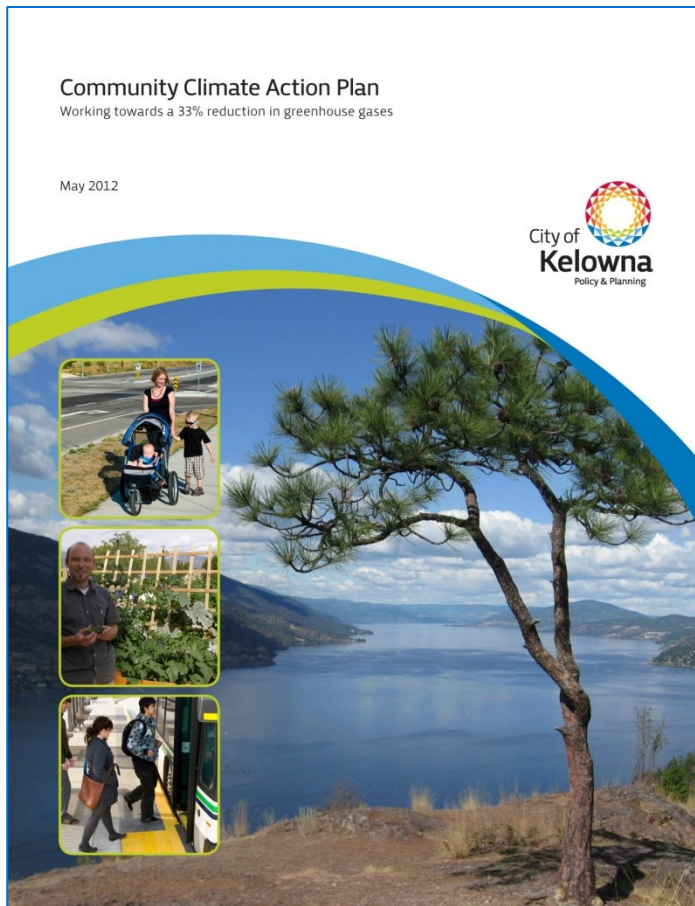
What is CARIP?

- ▶ Climate Action Revenue Incentive Program;
- ▶ A grant equal to 100% of the carbon taxes paid directly by a municipality;
- ▶ This year applying for \$228,466;
- ▶ Grant placed in City's Ro11- Energy Management Rebate fund

To be eligible must make public and submit the CARIP Report to the Province by June 1.



Climate Action Plans



2016 Community Action Highlights

1. Broad Planning
 - ▶ Urban Centres Roadmap
 - ▶ Imagine Kelowna
2. Building and Lighting
 - ▶ Partnered with Fortis to promote energy efficiency programs
3. Transportation
 - ▶ 1350 m sidewalk, 4 km shared paths, cycle tracks and bike lanes
 - ▶ 16 bus top upgrades
 - ▶ 2 EV charging stations



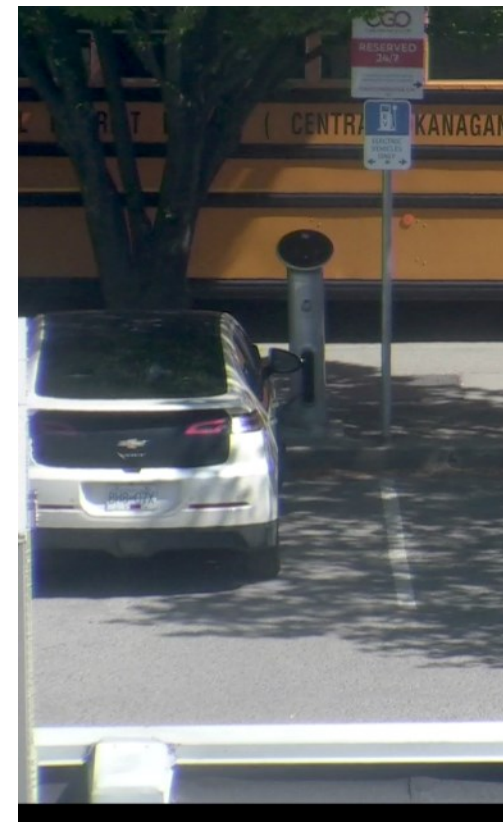
2016 Community Action Highlights con't

4. Greenspace / Natural Resource
 - ▶ Neighbourwoods (500 large trees)
 - ▶ Munson Pond Park in cooperation with Central Okanagan Land Trust
5. Solid Waste
 - ▶ 299 composters sold
 - ▶ 4 re-use events
6. Water and Wastewater
 - ▶ Value Planning of Kelowna Integrated Water Supply Plan
 - ▶ \$40 rebate offered for irrigation controllers



2017 Community Actions

1. Broad Planning
 - ▶ Climate Action Plan Update
 - ▶ Capri-Landmark Urban Centre Plan
2. Building and Lighting
 - ▶ Partner with Fortis BC to promote energy efficiency programs
3. Transportation
 - ▶ Transportation Master Plan
 - ▶ Safe routes to school
 - ▶ 1 km sidewalk, 9 km bike lanes and paths



2017 Community Actions

4. Greenspace / Natural Resource
 - ▶ Neighbourhoods, 500 more trees
5. Solid Waste
 - ▶ Implement Solid Waste Management Plan
6. Water and Wastewater
 - ▶ Received \$43.9 million for Integrated Water Supply Plan
 - ▶ New water meter program to enforce water regulations



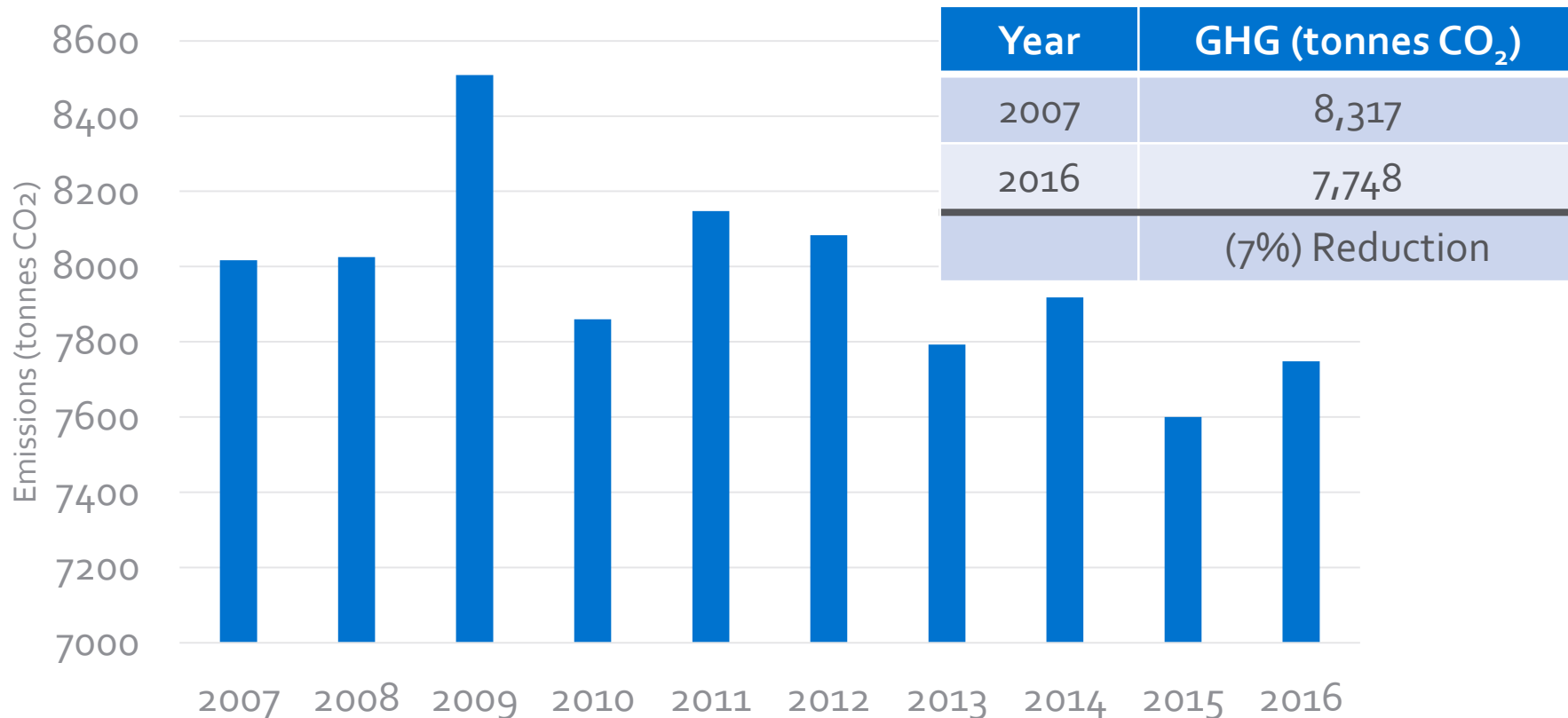
2016 Corporate Action Highlights

1. Buildings and Lighting
 - ▶ Rutland Arena Heat Recovery Project
 - ▶ 24,600 GJ/year savings (122 tonnes CO₂e)
 - ▶ City Yards Boiler Upgrade
 - ▶ 980 GJ/yr savings (44 tonnes CO₂e)
2. Fleet
 - ▶ Purchased 1 electric and 10 hybrid vehicles
 - ▶ Partnered with Ogo Car share
3. WWTF
 - ▶ Upgrade of Exterior Lighting to LED
 - ▶ 72,165 kWh/yr savings
4. Airport
 - ▶ Conversion of Parking Lot Lighting to LED
 - ▶ 117,000 kWh/yr savings (\$7,600/yr)



2016 Corporate Emissions

Total Corporate GHG Emissions by Year



Note: 2016 reported CARIP emissions are 6,022 tonnes CO₂ as they don't include Police Services, Airport, Solid Waste emissions

2017 Corporate Actions

1. Update of the Corporate Energy and Emissions Plan
2. Commencement of the LED Street Light Retrofit
 - ▶ Savings estimated to be 3,500,000 kWh/yr (\$750,000)
3. Completion of the new Kelowna Police Services Building
 - ▶ Energy Efficient Design to save 4,216 GJ/yr and 155,000 kWh/yr
4. Completion of the Memorial Parkade with LED lighting and controls
 - ▶ Savings of 109,318 kWh/yr
5. Purchase 2 electric assist tricycles, and more electric personnel movers



Questions?

For more information, visit kelowna.ca.