

Markham's Community Sustainability Plan

General Committee Part A

May 10, 2010

Process to Date

Youth consultation (Oct-Dec 2007)

World Café Feb 2008

Council/Senior Leaders visioning session

Staff Workshops (July):

- scope issues & sustainability goals

Council Workshop (Oct. 6):

- present and confirm draft sustainability goals

Sustainability Fair (Oct. 24):

- Public launch of process
- Education (Avi Friedman)
- Feedback on goals
- 80 residents attended

Stakeholder Workshop (Dec 3):

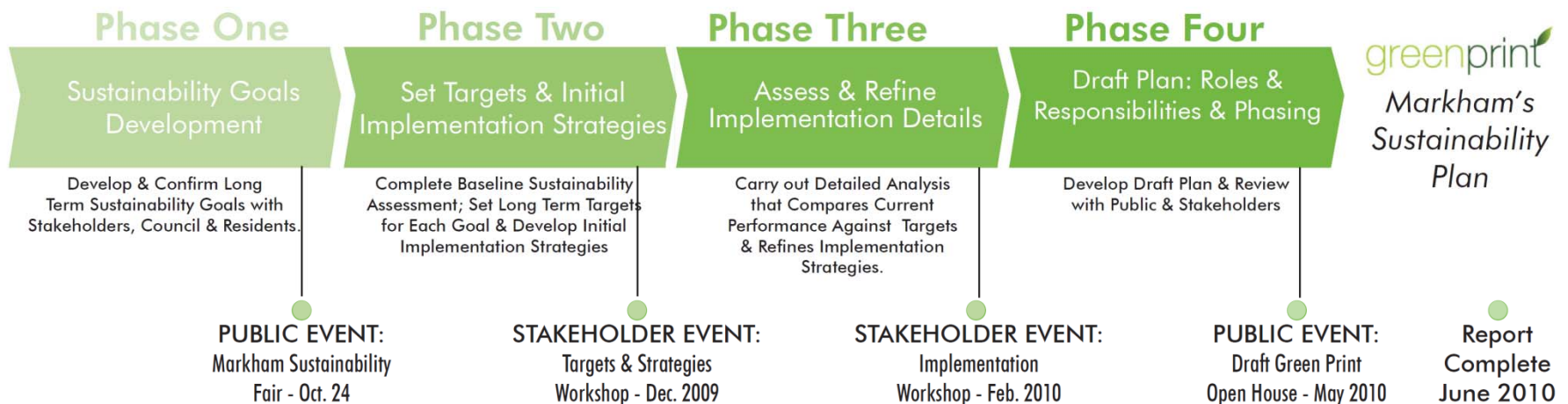
- Business/NGOs/other Governments
- Approx 80 stakeholders

Council Workshop (March 29):

- Draft Green Print discussion

Stakeholder Workshops (April 26):

- Business/NGOs/other Governments





WHAT

we want to
sustain
in and about
Markham

+

HOW

we get there.
Green Print = our
strategic
implementation
plan

Green Print Structure

Vision

Priorities

Strategies

Goals

Objectives

Recommendations

Priorities





Strategies

1. Complete Neighbourhoods as the Foundation of a Great Community
2. Robust and Resilient Community Systems
3. Continuing Health and Prosperity

Complete Neighbourhoods as the Foundation of Communities

1. Walkable and Accessible Complete Neighbourhoods
2. Multi-Modal Transportation System
3. Integrated Network of Urban Open Space and Parks

Complete Neighbourhoods as the Foundation of a Great Community

1. Walkable and Accessible Complete Neighbourhoods:

Objective - 1: Regenerate Existing Neighbourhoods

- Define Neighbourhoods
- Strategic & Sensitive Mixed Use Intensification

Objective - 2: Plan, Design & Construct High Performance New Neighbourhoods

- Intensive Mixed Use New Neighbourhoods
- Affordable Housing
- Energy Optimized New Neighbourhoods

Complete Neighbourhoods as the Foundation of a Great Community

2. Multi-Modal Transportation System:

Objective -1: Create Pedestrians, Cyclists & Transit Users out of Drivers

- Shift Spending & Planning Focus
- Integrated Routes & Facilities
- Transit-Oriented Development
- Support Pricing Policies

Objective - 2: Create Roads for All Users

- Focus on Active Modes
- Road Re-classification System
- Create Safe Roads for all Users

Complete Neighbourhoods as the Foundation of a Great Community

3. Integrated Parks, Trails & Open Space Network

Objective -1: Connect Community Destinations

- Urban Trail Network (off- and on-road networked system)

Objective - 2: Maintain Viable Urban Habitats

- Habitat Enhancement
- Urban Forest
- Educational Resources

Robust and Resilient Community Systems

4. High Performance Healthy Buildings
5. Smart and Resilient Water, Energy, Waste Management, Information, Transportation Infrastructure and Services
6. Viable Ecosystems and Landscapes
7. Create and Support Local Food System

Robust & Resilient Community Systems

4. High Performance Healthy Buildings: Net Zero Energy, Water, Waste and Emission Buildings by 2030

Objective -1: Retrofit Existing Buildings

- Educational & Awareness Resources
- Retrofit Programs

Objective - 2: High Performance and Green New Buildings

- Meet the Living Building Challenge 2.0 starting 2015
- Net-Zero Policy & Regulatory Strategy
- Energy Modelling
- Operations target
- Dual plumbing systems
- Recycled and Regional Content
- Split Incentive
- Awards

Robust & Resilient Community Systems

5. Smart and Resilient Water, Energy, Waste Management, Information, Transportation Infrastructure and Services

Objective -1: Develop a Smart and Reliable Infrastructure Network

- Infrastructure Monitoring
- Smart City Initiative
- Neighbourhood Distributed Energy

Objective -2: Build and Retrofit Adaptable and Integrated Infrastructure for new Infrastructure Systems

- Integrated Systems
- Waste Heat Recovery

Robust & Resilient Community Systems

5. Smart and Resilient Water, Energy, Waste Management, Information, Transportation Infrastructure and Services

Objective - 3: Achieve Zero Waste

- Culture Shift
- Community Diversion Days
- Seek Commitments from Businesses
- Producer Responsibility
- Green Procurement
- Increase Waste Diversion
- End of Life Financing

Objective - 4: Maximize Water Efficiency and Minimize Wastewater Generation

- Integrated Storm Water Management
- Displace Drinking Water Use
- Distributed Water Strategy
- Increase Water Efficiency
- Water Pricing

Robust & Resilient Community Systems

6. Viable Ecosystems and Landscapes: Net increase in extent of natural function within Markham's urban environment and preserve existing natural areas.

Objective -1: 30% Tree Canopy and Vegetation Coverage in the Urban Environment.

- Urban Forest
- Native Species
- Markham Nursery
- Appropriate Tree Type and Location
- Wildlife Habitat
- Private Sector Codes
- Tree Care
- Understory and Canopy Regeneration
- Reclaim Urban Timber
- Local Food

Robust & Resilient Community Systems

6. Viable Ecosystems and Landscapes: Net increase in extent of natural function within Markham's urban environment and preserve existing natural areas.

Objective - 2: Develop and Support Wildlife Habitat

- Connect Disconnected Green Spaces
- Flexible Multi-Faceted Landscapes
- Renaturalize
- Natural Heritage Network
- Urban Edge
- Refuge Opportunity

Robust & Resilient Community Systems

6. Maintain Smart and Resilient Water, Energy, Waste Management and Communication Infrastructure and Services

Objective -3: Implement Adaptable an Integrated Infrastructure for New Infrastructure Systems

- Integrated Systems
- Waste Heat Recovery

Objective - 4: Use Water Efficiently and Minimize Wastewater Generation

- Integrated Stormwater Management
- Water Reuse
- District Water Strategy
- Water Pricing

Robust & Resilient Community Systems

7. Create & Support a Local Food System: Significantly increase food growing, celebration and processing in Markham.

Objective -1: Support Education and Engagement in the Local Food System

- Food Policy Council
- Food Literacy
- Incubate New Farmers
- Garden Network

Objective -2: Significantly Increase Community Food Producing Opportunities

- Community Gardening
- Private Community Gardens
- Backyard Sharing Program
- Learning / Demonstration Gardens
- Community Orchard
- Residential Soil Standards
- By-law Alignment

Robust & Resilient Community Systems

7. Create & Support a Local Food System: Significantly increase food growing, celebration and processing in Markham.

Objective - 3: Significantly Increase the Viability of Local Commercial Food Growing and Processing

- Promote and celebrate local foods
- Farmer's markets, roadside foodstands
- Sale of local grown /processed foods in schools
- Development of food precinct
- Markham's future economic plans
- Incentive programs for farmers

Strategies

Continuing Health & Prosperity

- 8. Healthy People
- 9. Inclusive and Engaging Government
- 10. Nurture Sustainable Economic Development
- 11. A Culture of Excellence

Continuing Health & Prosperity

8. Healthy People: Proactively create the conditions for physical and mental health within Markham.

Objective -1: Promote and Support Physical Health

- Provide equal access to recreational services
- Safe routes to school
- Heating and cooling centres
- Healthy eating and lifestyle education
- Ban smoking in all areas open to the public
- Eliminate sales of junk foods

Continuing Health & Prosperity

8. Healthy People: Proactively create the conditions for physical and mental health within Markham.

Objective - 2: Promote and Support Mental Health

- Coordinate mental health services with partners
- Life long learning
- Sense of belonging
- Reduce isolation of vulnerable individuals
- Create welcome centres for newcomers
- Facilitate interaction among diverse cultural groups
- Foster understanding of mental health issues

Objective - 3: Reduce the Impacts of Household Poverty

- Geared to income transportation and housing strategy
- Engage and empower vulnerable residents
- Assign Social planning role within the Town
- Create community resource centres

Continuing Health & Prosperity

9. Inclusive and Engaging Government: A Council and Committees that are representative of Markham's cultural, household income, and gender demographic composition.

Objective - 1: Encourage Greater Resident Involvement in Decision Making and Community Stewardship

- Civic classes
- Implement an "Active Neighbourhood Associations" governance in place of ratepayers associations
- Target specific groups for committee membership
- Coordinate all government services within neighbourhoods
- Community Engagement Policies

Continuing Health & Prosperity

9. Inclusive and Engaging Government: A Council and Committees that are representative of Markham's cultural, household income, and gender demographic composition.

Objective - 1: Promote Greater Youth Involvement in Decision Making and Participation

- Leverage social media as a means to communicate with youth
- Develop a shadow youth council where members of council and staff serve as mentors
- Engage at-risk youth
- Space for youth at municipal facilities
- Mentorship opportunities
- Compensation mechanism to attract youth to government

Continuing Health & Prosperity

10. Nurture Sustainable Economic Development: create 100000 new jobs

Objective -1: Facilitate and Support Markham's Existing Businesses

- Implement Markham 2020
- Implement a buy local campaign for locally produced or packaged goods and services.
- Focus efforts on to create local employment opportunities for underemployed and/or low income households
- Develop Eco-Business Districts
- Promote community and business mentorship

Continuing Health & Prosperity

10. Nurture Sustainable Economic Development: create 100000 new jobs

Objective - 2: Promote Green Business Development and Business Greening Strategies of Existing and New Employers

- Strategically target 'green jobs'
- Create demand for local employment in the green energy sector and local food production and processing
- Excellence through research and technology
- Local food businesses and services
- 25,000 green jobs
- Markham based-centre of green technologies

Continuing Health & Prosperity

10. Nurture Local & Future Opportunities that lead to Sustainable Economic Development

Objective - 3: Support Additional Areas where Employment can Occur

- Increase Employment in Intensification Areas Supported by Higher Order Transit
- Increase businesses that can be walked to

Continuing Health & Prosperity

11. A Culture of Excellence

Objective - 1: Life Long Learning and Skills Development

- Promote access to education and skills development opportunities at all stages of life and career.
- Promote awareness of sustainable living choices.
- Work with local schools
- Develop future generations of leaders that will support Markham from within and beyond
- Barrier free access to education
- Promote arts and cultural education

Objective - 2: Promote and Celebrate all that Makes Markham Great

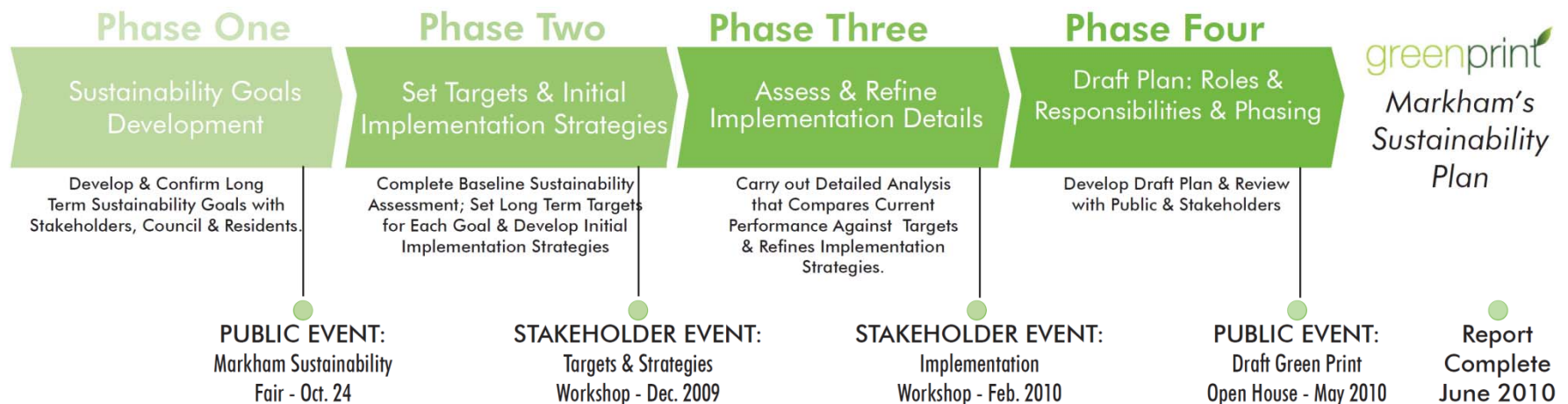
- Implement public art policy
- Foster a Unique Sense of place that defines Markham identity.
- Capitalize on Markham's history and diversity
- Harness the talents of new residents
- Create community coordinator position for festivals & events
- Support and enhance Markham's art community

Schedule / Process to Come

Report to Council (May 10)

Draft Launch (June 5 - World Environment Day)

Part B General Committee Presentation (June 14)
- Release Draft for consultation document



Name the **TOP 2 strategies** that affect you the most?

1.Complete Neighbourhoods as the Foundation of Communities:

- Walkable, complete neighbourhoods
- Multi-Modal Transportation System
- Integrated Network of Urban Open Space and Parks

2.Robust and Resilient Infrastructure:

- High Performance Healthy Buildings
- Build and Maintain Resilient Infrastructure & Services
- Smart and Reliable Infrastructure Network.
- Viable Ecosystems and Landscapes
- Create and Support Food System

3.Continuing Health and Prosperity

- Healthy People
- Inclusive and Engaging Government
- Nurture Sustainable Economic Development
- Culture of Excellence

Markham's greenprint Community Sustainability Plan