

Capital Region Integrated Infrastructure Planning

Hydrocarbon Upgrading Task Force
June 20, 2007



Slide 1

Capital Region Integrated Growth Management Plan

- Development of a long term integrated growth management plan for next 20-50 years:
 - focus on economic, social and environmental impacts
- Major Alberta Projects database for March 2007 indicates \$46 billion in projects
- Public sector infrastructure projects will cost billions
- Requires coordinated effort from municipal, provincial, federal governments and industry
- Essential to ensure highest quality of life for all residents and all Albertans through maximizing value added opportunities



Scope Of The Plan

- Initiative directed from the Premier's office to develop:
 - a regional growth management plan and
 - create a management implementation structure
- Planning for core infrastructure and services will focus on economic development:
 - Utilities (water/wastewater, waste management, electricity, pipelines, environment)
 - Transport (railways, highway/roads, airports, public transit) and
 - Social infrastructure and services (workforce, housing, education, health care, emergency services, policing and social services)



Outcomes Of The Planning Exercise

- Ultimate goal is strong communities and efficiency for taxpayer, resulting from optimal economic and community growth and sustainable environmental management
- This plan will not result in amalgamation, but rather the efficient delivery of public services.
- The plan will be developed based on the principles of:
 - Ensuring community identities are supported
 - All residents in the Capital Region benefiting from the anticipated economic growth



Government Leadership On Comprehensive Capital Region Planning

- Addresses 3 key objectives:
 1. Facilitates maximization of our oil sands resource value
 2. Addresses capital region infrastructure planning issues
 3. Promotes smaller environmental footprint through integration/synergies of hydrocarbon processing operations in close proximity
- Plan completion by January 2008
- Plan implementation to commence Spring of 2008



Linear Infrastructure Corridor Study in the AIH Region

- AEII working with the Alberta Industrial Heartland Association (AIHA) on linear infrastructure planning
- Linear Infrastructure Corridor group formed with municipal, provincial and private sector stakeholders
- Purpose to share information on the development of transportation and utility corridors (TUCs)



AIH Baseline Data Development

- AEII is hiring a consultant to tabulate near and longer-term impacts of investments in the Industrial Heartland.
- The study will estimate:
 - Capital expenditure, production, population, and direct, indirect and induced labour force requirements
- Completed by September 2007.



AIH Eco-Industrial Master Site Plan

- Building on the utilization and exchange of energy and products within plant complexes and amongst plant clusters
- Driven by need for companies to stay competitive in the global market
- Eco-Industrial integration can generate substantial cost savings, new business opportunities and reduce environmental footprint



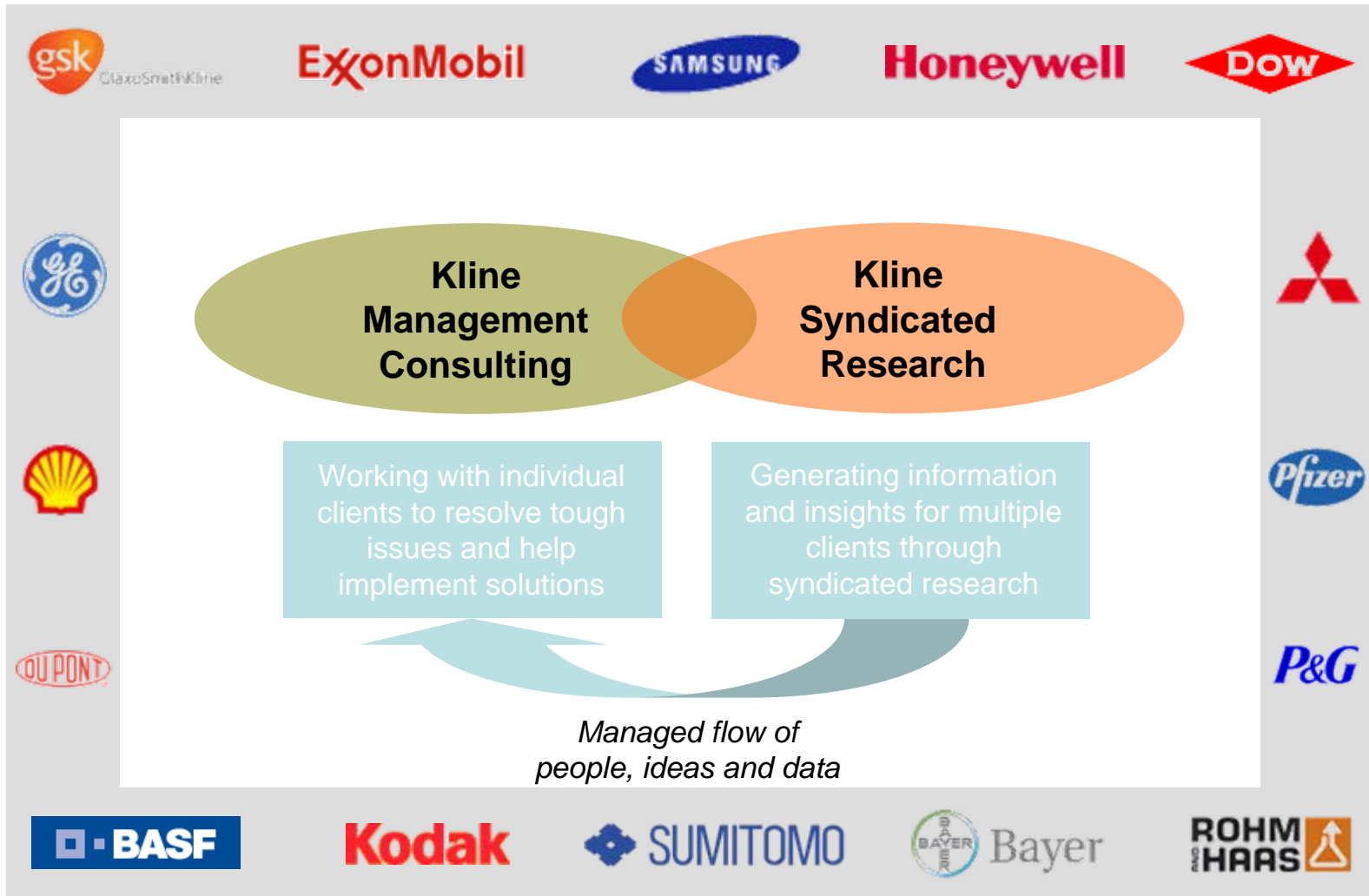
Definition Of Eco-Industrial Complex

A community of businesses that cooperate with each other to efficiently share resources (information, materials, energy, infrastructure and natural habitat), leading to economic gains, improvements in environmental quality and equitable enhancement of human resources for business and the local community.

- U.S. President's Council on Sustainable Development



Kline & Company: Leading Consulting And Market Research Firm



Study of Greater Edmonton Eco-Industrial Petrochemical Cluster

- Develop world-class eco-industrial chemical cluster alternatives
- Leverage Kline's understanding of international chemical industry
- Develop an objective view of Alberta's potential for a world class cluster
- Evaluate the strategic and economic impact of the cluster alternatives eliminate risks
- Set a clear path to action and results
- Stage 1 completion in September



Study Scope of Work

- Review leading global Best Practices and trends
- Determine how existing upgrading, refining and petrochemical cluster can take advantage of global opportunities
- Recommend specific product clusters
- Provide partnership for development of existing industry expansion plans
- Develop coordinated investment attraction strategy
- Funded by EII, Energy, City, EEDC, AIHA

