



ASSET MANAGEMENT & INFRASTRUCTURE PROGRAMS: BC'S PERSPECTIVE

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Ministry's Mandate

The Ministry's mandate is to bring together key government services and supports which help to make B.C. communities great places to live, work, visit and invest. The Ministry takes leadership in supporting local governments... to build vibrant and healthy communities that are well governed, liveable, safe, economically resilient, socially and environmentally responsible and full of opportunities for participation in sport and the arts.



Ministry's Mandate

- providing advice and resources to local governments so that they can better meet the needs of their citizens through planning for sustainable development and addressing issues related to communities' social, economic and environmental well-being; and
- building relationships and developing partnerships with other ministries, local and federal governments, and stakeholders.



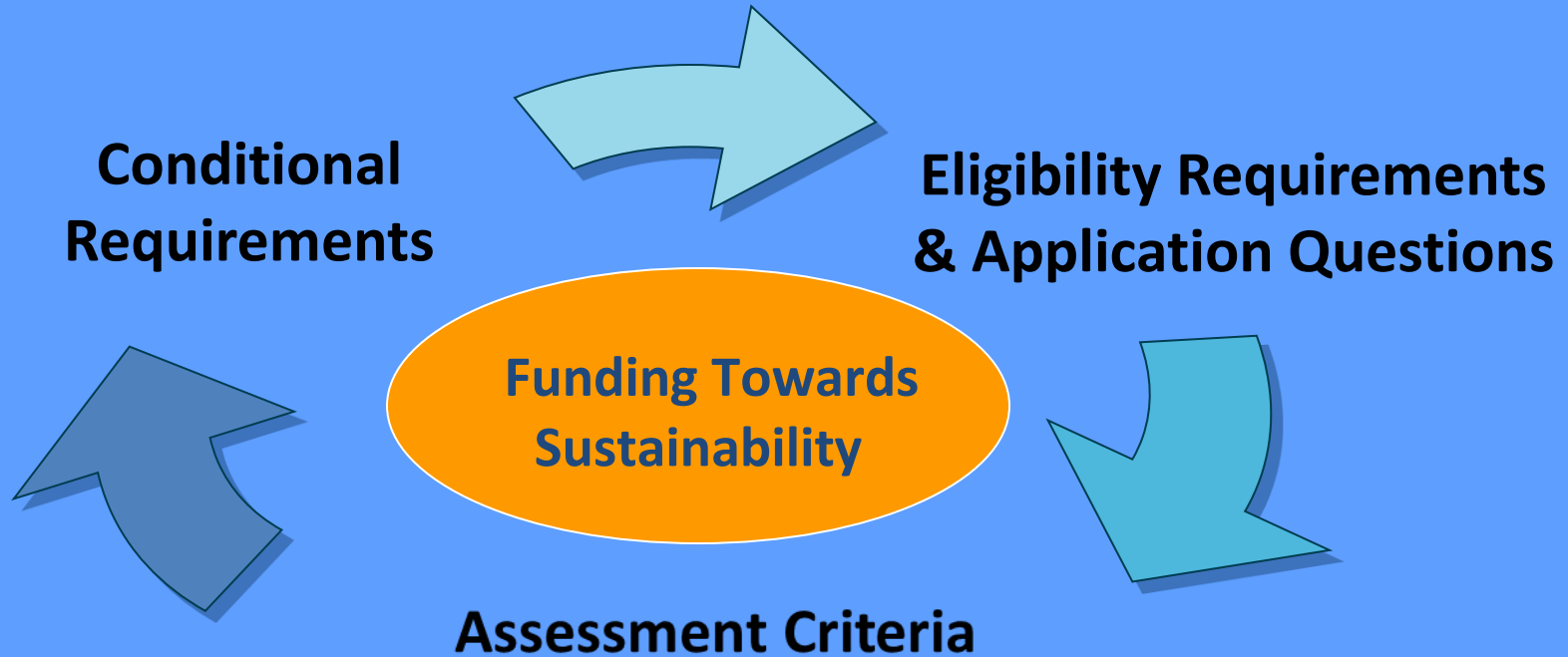
Unconditional Grants

- The definition of a grant is simply: *a transfer of money from one organization to another.*
- Ministry provides unconditional grants to local governments through:
 - Small Communities Grant
 - Regional District Grant
 - Climate Action Revenue Incentive Program



Conditional Grants

- Ministry provides conditional grants to local governments through:
 - Infrastructure Planning Grant Program
 - NBCF-Small Communities Fund
 - Clean Water & Wastewater Fund
- Application based & specific to a project
- Meets program outcomes & grant conditions



'current conditions become future eligibility'



Ministry Perspective

- The province has made significant investments in LG infrastructure
- AM helps to ensure that infrastructure investments will be planned, built, operated, maintained and financed efficiently and provide best value for money
- AM reduces risk, to the province and to the local government
- The desire is to support local governments in achieving sustainable service delivery.



Sustainable Service Delivery

The **process** of bringing together the skills and activities of **people**; with **information** about the community's physical **infrastructure assets** and **financial resources** to ensure long term **sustainable service delivery**.





Ministry's Evolution

- 1990s Funding often used to deal with crisis
- 2000 Shift towards increased local government accountability
- Mid-2000s supports sustainable infrastructure planning and management
- 2010s (Post PSAB 3150) support of education, awareness and implementation of asset management



Current Programs

Infrastructure Planning Grant Program

- Asset Management, Feasibility studies, LWMPs, H₂O conservation...
- Year-round open intake, awards twice a year, up to \$10,000
- Next deadline: Jan 18, 2017

NBCF-Small Communities Fund

- 2nd intake; decision expected early 2017
- Asset management conditions



Current Programs

Clean Water and Wastewater Fund (CWWF)

- Joint Federal-Provincial program investing \$373 million
- Rehabilitation focused, preparing for future upgrades
- NEW* - cost share 50% federal; 33% provincial
- NEW* - asset management eligible
- Intake Deadline: November 23rd, 2016
- www.gov.bc.ca/cleanwaterwastewaterfund



Current Programs - CWWF

- the rehabilitation and optimization of water, wastewater and storm water related infrastructure;
- Separation of existing combined sewers or overflow control;
- improvement of *asset management* approaches including studies and pilot projects;
- planning for future upgrades to wastewater treatment and collection infrastructure; and,
- new construction projects, including the construction of naturalized systems for management and treatment of wastewater and storm water



Current Programs - CWWF

- AM application questions
 - *Do you have a plan to fund, operate and maintain the asset over its lifecycle?*
 - *For the asset class that you are applying for do you have an asset inventory Condition assessment? An asset management plan?*
 - *Using the AM BC Roadmap identify which 'Basic Level' practice modules/building blocks your local government has achieved.*

AMBC : Asset Management Building Blocks : Roadmap

1.0_Know Your Assets	2.0_Know Your Financial Situation	3.0_Understand Decision-Making	4.0_Manage Your Asset Lifecycle	5.0_Know the Rules	6.0_Sustainability Monitoring
Consultation / Communication					
1.1_Basic Asset Inventory a) Asset Type b) Location c) Quantity & Size d) Material e) Useful Life f) Install Date & Age g) Remaining Life	2.1_Current Asset Investment a) Replacement Value b) Depreciated Value	3.1_Evaluate Decision Process a) Current Processes b) Desired Processes c) Improvement Gap	4.1_Asset Condition a) Current Condition b) Condition Rating c) Condition Monitoring d) Deterioration Modelling e) Work History Tracking	5.1_Strategic Goals a) Organizational Goals b) Stakeholder Goals	6.1_Sustainability Assessment a) Current state of sustainability b) Desired Processes c) Improvement Gap
1.2_Componentized Asset Inventory	2.2_Current O&M Costs a) Historical O&M Costs b) Current O&M Costs	3.2_Improvement Plan & Process a) Identify tasks b) Develop basic plan c) Implement improvement Process	4.2_Level of Service a) Current LOS b) Desired LOS c) Performance Measures and Monitoring	5.2_Legislation, Regulation, Policy & Standards a) List of requirements b) Associated Policies & Best Practice Standards	6.2_Co-ordinating Infrastructure Works a) Identify Tasks b) Develop Basic Plan c) Implement improvement Process
1.3_Current Data Software and Tools a) Asset data b) Accounting c) Work History d) Decision tools e) GIS	2.3_Future Capital Costs Multi-year Plans a) Renewal Projects b) New Assets	3.3_Prioritized Improvement Plan a) Develop prioritization process / tool b) Budget / Timelines	4.3_Assess Asset Renewal Alternatives a) Treatment Options b) Evaluation c) Treatment Selection d) Review Outcome	5.3_Monitoring a) State of compliance b) Measuring compliance	6.3_Demand Management a) Alternative strategies
1.4_Data Management a) Data accuracy b) Data completeness c) Data gaps d) Data controls	2.4_Funding Sources Multi-year Plans a) Taxes b) Revenue c) Funding Rules	3.5_Collaboration / Integration Plan a) Internal between Departments b) External between Organizations	4.4_Assess Asset Maintenance Strategies a) Maintenance Options b) Evaluation c) Develop Strategy d) Review Outcome	5.4_Reporting a) Compliance Results b) Benchmark Comparisons	6.4_Emerging Technology a) Alternative strategies b) Innovation
1.5_Data Accessibility a) Data format b) Geographic Links c) Condition data d) Financial data	2.5_Future O&M Costs Multi-year Plans a) Operational Costs b) Maintenance Costs	3.6_Advanced Decision-Making Tools & Liability	4.5_Lifecycle	5.5_Ownership Issues a) History b) Benefits c) Options	5.6_Risk Evaluation a) Risk Assessment b) Mitigation



Current Programs - CWWF

- Approved Project = Asset Management Conditions:
 - *Current state of AM practice & future activities planned to improve*
 - *Asset renewal profile over 30 years for the corresponding asset class*
- Resources:
 - AssetSMART 2.0 & Renewal Profile guidance



Asset Management BC

Resources

- Asset Management for Sustainable Service Delivery: A BC Framework
- AssetSMART 2.0
- Asset Management Roadmap
- CLIC – Community Lifecycle Infrastructure Costing Tool
- NAMS Training
- Workshops/seminars

AM BC Newsletter (18 issues to date)

- Articles, stories, tips & tactics
- Case studies



www.assetmanagementbc.ca



Final Thoughts

- Asset management is, and will continue to be, integrated into infrastructure grant programs
- Supportive of the continued advancement of asset management in the province
- Open to dialogue regarding future opportunities...