Solid Waste Management Program.
Strategic Environmental Assessment Implementation Possibilities

24 March, Yerevan
The Armenia SWM Investment Program (TA-7991) strategically assessed the sector in 2013 and recognized the few opportunities coupled with many challenges;

- Phase I. Strategic Development Plan, Sector Road Map, Investment Plan;
- Phase II. Feasibility study, Investment Plan preparation for Shirak area;
- Development of SWM local solutions for small and remote communities (in progress).
Timeline

- December 2012: Kick–off
- February 2013: Inception Report
- July 2013: Final Report Phase I (National Strategy)
- October 2013: Stakeholder Consultations
  - 4 October: Jermuk
  - 9 Oct: Gyumri
  - 11 October Vayots Dzor
  - 15 October: Presentation MTA, other ministries and donors
- November 2013 – October 2014: On hold
- November 2014 – May 2015: Phase II
Development and assessment of systems

- Centralized versus regional
- 5 systems developed & assessed
- No official endorsement yet from the Government on preferred system
- Team recommended regional system based on 5 catchment areas:
  - 5 catchment areas and 5 regional landfills (each 20 ha) and landfill design based on EU standards
  - Transfer stations (ca. 10) to cover longer distances, compaction trucks for waste transport
  - Collection points with containers for rest waste and bring banks for recycling in urban areas
  - Option of introducing higher technology waste diversion options (MBT)
  - Yerevan develops and operates independently of the national system
  - Yerevan accepts waste from neighboring regions
A regional system based on 5 catchment areas

Scenario 3: Regional system with Yerevan receiving waste from neighboring marzes

Regional Landfill
Road Transfer Station
Road Routing
Institutional setting

Ministry of Territorial Administration

National Waste Management Board
(with representatives of Ministry of Nature Protection, Regional Councils and other Stakeholders)

National Waste Management Authority (NWMA)

Regional Waste Management Board
(with representatives of Regional Council, Local Councils and other Stakeholders)
(one Regional Board in each Waste Management Region)

Waste Management Region 1
Waste Management Region 2
Waste Management Region 3

Private Sector Operator Contracts/ SPVs

Contracting of private sector operators by NWMA (service contracts or appropriate PPP) based on competitive bidding.
Institutional setting

It is recommended the institutional setup to include two advisory bodies with wide representation of stakeholders:

- A National Waste Management Board to monitor the overall implementation of waste management in Armenia, monitor the performance of the NWMA, assess developments in the regions and discuss new initiatives nationally and regionally

- Regional Waste Management Boards set up as counterpart for the implementation regionally, hereunder to define the PPP contracts, monitor the performance of PPP operator(s) and discuss future initiatives in the region
Road map

• Formal concurrence on National SWM Strategy Framework based on 5 regional SWM systems utilizing an integrated collection system including transfer stations and central sanitary landfills

• Long term financing facility for SWM system organized utilizing multiple donors/IFIs to provide TA and initial capitalization of SWM system components and initiation of PPP arrangements that progress to a self-financing model

• Prioritization and selection of regional investment components for feasibility study/detailed design (as required), finalization of component specific financing and first stage PPP arrangements followed by regional component implementation.

• Legal and administrative measures implemented to establish and operationalize the NWMA, inclusive of amendment of legislation to empower it as overall authority for planning and direction of the SWM sector
When?

- When the project involves the development of or changes to policies, plans, or programs that are likely to have significant environmental impacts that are regional or sectoral.
A strategic environmental assessment report will include
(i) an analysis of the scenario,
(ii) an assessment of long-term and indirect impacts,
(iii) a description of the consultation process, and
(iv) an explanation of option selection.
Improvement the Implementation of environmental Safeguards for ADB financed projects

Under ADB technical assistance to RA (TA 7548–REG) has been implemented:

- Assessment of environmental safeguards capacity.
- Preparation of Capacity Development Plan.
- Development of Country Safeguard Framework.
Country Safeguards Framework has been prepared as part of the ADB Country Partnership Strategy.

Framework will guide the implementation of environmental safeguards for ADB funded projects in Armenia.

Draft Capacity enhancement plan and Framework was presented and discussed at a stakeholder consultative meeting on 17 September and 21 November 2014.

Updated documents has been submitted for MNP endorsement.
Thank you for attention

Areg Barseghyan
Senior Portfolio Management Officer
ABD Armenia Resident Mission

10 Vazgen Sargsyan street
Piazza Grande Business Center 3rd floor
Yerevan 0010, Republic of Armenia

Tel: +374 10 546371/72/73
E-mail: abarseghyan@adb.org
Thank you