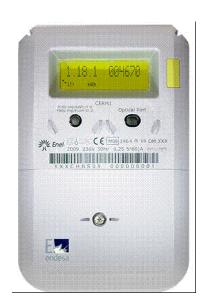
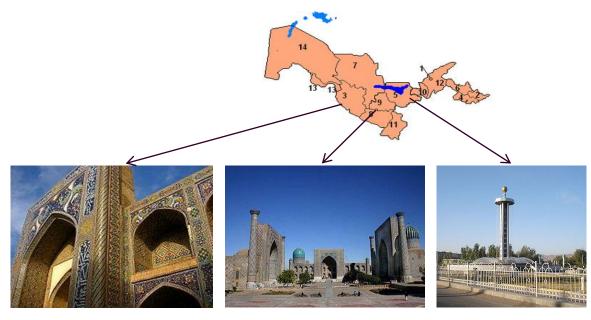
# UZB Advanced Electricity Metering Project





3. Bukhara 9. Samarkand 5. Jizzakh

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## Uzbekistan AEM nationwide role out

IFIs	Number of Customers	Name of Regions	Status
ADB (Phase 1)	1 million	Bukhara, Jizzakh, Samarkand regions	Contract Signed
WB	1.3 million	Tashkent City, Tashkent region, Syrdarya region	PQ/Bidding stage
IsDB	0.9 million	Karakalpakstan, Khorezm, Navoi regions	Consultant selection
ADB (Phase 2)	3.1 million	Andijan, Ferghana, Kashkadarya, Namangan, and Surkhandarya regions	Consultant selection
Total	6.3 million	(14 regions)	

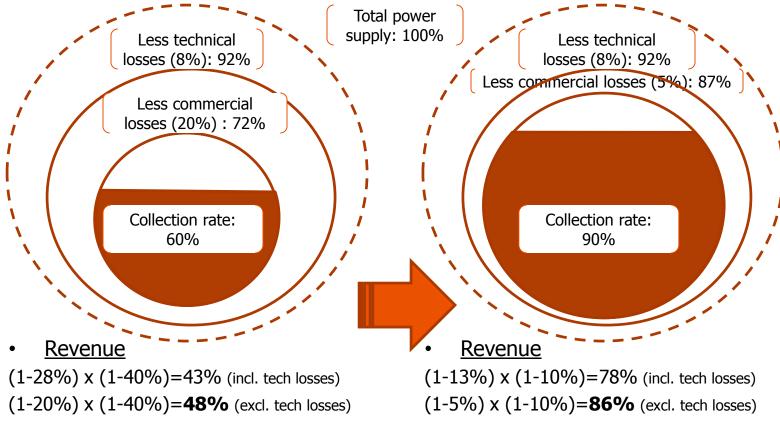
ADB = Asian Development Bank, IFIs = international financing institutions, IsDB = Islamic Development Bank, PQ = prequalification, WB = World Bank Source: Uzbekenergo.



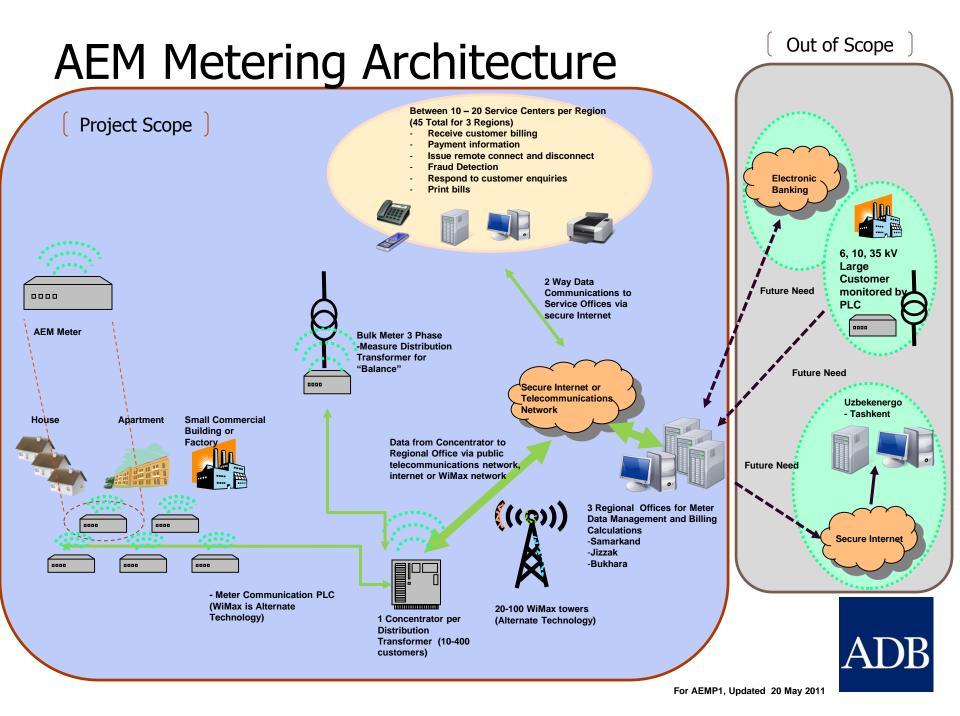
# Reducing aggregate technical, commercial and collection losses (ATC&C)

### **Before project**

### **After project**







### Issues in project design & implementation

- Selection of communication technologies: meters to concentrators, and concentrators to MDM.
- Functions and "future proofing": remote disconnect/reconnect, tamper-proof, DSM functions, Mbus for gas/water metering, preparation for smart grid.
- Procurement packages: Meters and MDM system turnkey or separate procurement?
- Unit cost and return on investment: market price, financial impact, benefit counting

