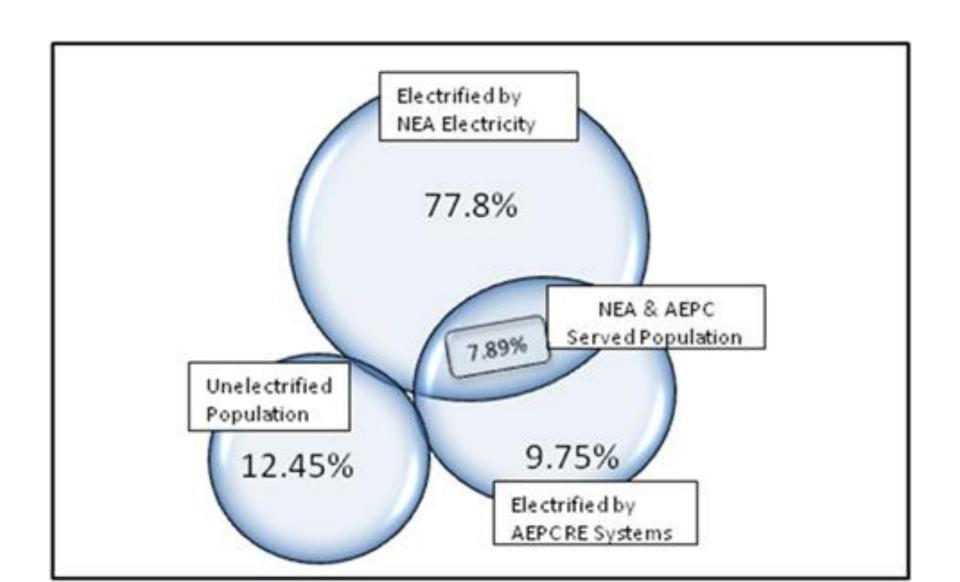
Comparison of subsidy MHP Vs SMG

Presentations by

Mr. Madhusudhan Adhikari
Executive Director,
Alternative Energy Promotion Centre

Electricity Access-Last year



Electricity Access-Gesto Report

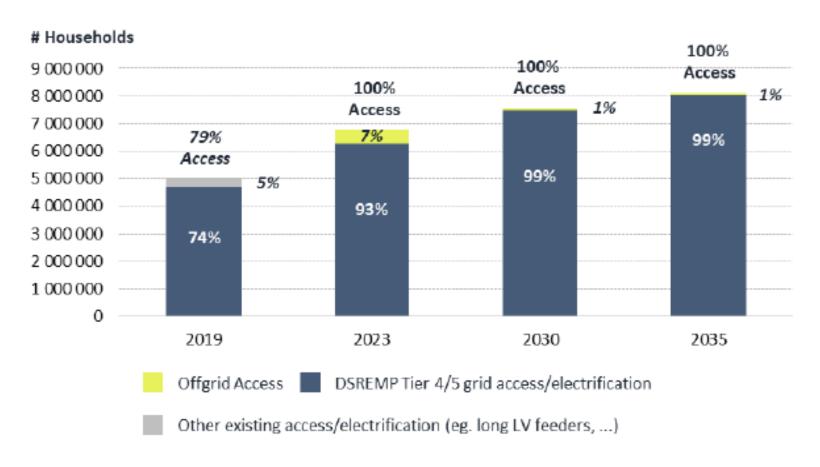


Figure 6.3 – Households grid and gff-grid access evolution in Nepal

Electricity Access-Gesto Report

By the end of 2023, there are a total of 63 municipal capitals not planned to have grid access of which 7 will be supplied with a permanent off-grid system, while the remaining 56 are intended to be transitional off-grid systems, as these locations are not connected to the national distribution network.

Table 6.2 – Off-grid Municipal Capitals

	Transitional Muninicpal ElectapitalsAccess-Ge	Permanent Municipal esto Repocapitals
Province 1	16	0
Province 2	0	0
Province 3	5	0
Province 4	6	2
Province 5	8	0
Province 6	11	5
Province 7	10	0
Nepal	56	7

Electricity Access-Gesto Report

Table 6.3 – Off-grid systems distribution per Province

	Solar Mini-grid	Solar Home	Hydro Mini-grid
	Systems	Systems	Systems
Prov. 1	561	2 180	30
	(4 523)	(12 362)	(863)
Prov. 2	117 (1 098)	0	0
Prov. 3	205	1 996	86
	(1 446)	(15 831)	(2 646)
Prov. 4	1 140	92	25
	(9 511)	(454)	(1 025)
Prov. 5	1 675	56	23
	(11 249)	(56)	(614)
Prov. 6	1 993	5	24
	(16 810)	(5)	(727)
Prov. 7	2 041	39	57
	(16 948)	(39)	(1 437)

C-1-11 ALID VA CNAC

Total subsidy

/kW

380,000

285,000

260,000

240,000

291,250

Per

kW

175,000

165,000

150,000

163,333

Per HH

32,000

30,000

28,000

30,000

Nos

10

10

10

10

Total

495,000

465,000

430,000

463,333

HHs/kW subsidy /kW

	Suc	Sluy	171111	V D 			
Su	bsidy M	HP up to	1000kW		Subsidy	SMG -100)kW

	Suc	slay	MHP	VS		
Su	bsidy M	HP up to	1000kW		Subsidy S	5]

Nos

HHs/kW

5

5

5

5

5

Per

HH

205,000 35,000

125,000 | 32,000

110,000 | 30,000

100,000 28,000

135,000 31,250

Per kW

Category

Very remote

A

B

Average

Minigrid Initiatives in AEPC

S.	Description	Subsidy	Himali Mini G Grids-	SASEC Minihydro -	MGEAP Mini
No.		policy 2073	GoN +KfW-DKTI	1MW and Solar	Grids
		Hydro- 1MW	Primarily solar upto	Minigrid – 150kWp	GoN+World
		Solar-100kW	100kW-Hydro need to add	ADB and GoN	Bank
1	Project	Community/C	In principle demand and	Community/Co-	Private owner-
	development	o-operative	owned by LG or its local	operative mix financing	Energy Service
	Financing	mix financing	representative-co-operative		Company
		+PPP			(ESCO)
					A B C-Model
		As discussed	Subsidy 90 % Federal	Solar Minigrid-	GoN Subsidy –
2	Subsidy of GON		Government + 10 %	Subsidy 90% +Equity	Maximum up to
			PG+LG+Local people.	+Loan	60 % + WB 10 %
				Minihydro- Subsidy 60%+Equity+Loan	to 30 % + Equity min. 10 %
	Ownership	Community/	Local Government/	Community/ Co-	ESCO (Private
3	O&M	Co-operative	/Cooperative	operative	Company)
	Management				

Issues and way forward

1.Old MHP/Minigrid

- Hand over of old MHP/Minigrid to LG- to O&M and oversight
- Maintenance fund RE Conditional Grant and LG grant for O&M
- 2. New project MMHP/Mingrids-to meet Ujjyal Nepal 2023
 - Jointly agreed between AEPC and NEA.
 - Financing mostly from Public funds-FG, PG and LG-Ownership under LG
 - Complete with in 2023
- 3. Sick Project-around 200 nos.
 - Sick Projects -settle project to project basis-50-most difficult.
 - Need to write off a few and complete rest-150- Karnali PG moved on.
- 4. Grid connection of MHPs and Minigrids
 - PPA procedure-IPP standard is very complicated for Minigrid
 - PPA rate minimum posted no reduction of subsidy.
 - Technical standard-very high standard and high cost

Thank you.