> Energy Policy & is the scheme in which gout addresses Issues related to Energy growth and usage including production, distribution and consumption (x) National Energy Policy of Radio 7 onergy and & energy powerfy come up with atternative sources of Energy (neucroan, solar, word, do) -> Energy desources are less according to population in Frais Population is 7% but shows in gas, oil 2 coal reserves 0.6,0 420 7/ Even at low level of EC, we mad to import Total Primary Frugy consumption from coal, (rude oil, natural gas, exc in 2013 was 809.2 Littoe (Millian tony of equivalent) Into = 4.1868 × 1016 Joules.

Imports the to met its energy demands By 2020, dependency on imports is expected to increase 20 531 of the total energy consumption. 60) NEP is last plan Persiods: 4 key objectives of NEP la. Acress of Presgy at Affordable Prices: considering poverty? Energy deprivation on direction, Access of Freezy at Aftordable Price is of utmost importance. As promised, there should be electricity in avery household by soes supply of clean cooking oil to all Assist vulnerable sections with financial support (b) Improved security & Independence Reduction in import dependence Andia is beauty dependent on coal, oil & ges imports security can be increased by 1 domestic production & I energy consumption (c) Greater custoinability: View of threat on enviormment ? exect of facil fuel usage closely linked with security author four fire Consumption will promote goals of unstainability & Security.

D. Economic Growth Growth in Friendly sector will impact the overall growth is economy energy security and sustainability are of istmost suportance face fuels are cheaper, it conflicts Affordablishy & Sustainablishy

	fiscal Policy + means key which gout adjusts its spending
	levels and tax rates to monitor and influence nationis
	elonomy.
7	Strategy is enromagement of depelopment of renemable sources
	genergy.
9	Abundance of solar & Mudroelectric anna Andia is able to
	need the exequirement of peak populations form sourced and
,	Abundance of solar & Hydroelectric energy Andia is able to neet the exequirement of peak population from renewable energy sources alone.
9	Measures to produce Energy Policy: (x) Statement of national policy degarding Energy planning, generation, transmission 8 mage.
	(x) Hatement of national Policy Aggreding &
	transmission 8 mage.
	The Complete of the state of th
	(x) laws affecting energy us.
	Energy security and instannational
	-> Energy concumption by business, households, etc.
	Distribution of coal.
	Herricity generation.
	- supply of oile & gas.
	7 on Hallohon, generation & distribution of
	Policy: A proton to guide decisions and achieve outcomes
	That achieve outcomes
L+13-	Energy Goals:
	- Access to Energy (Clean Phogon).
	7 Affordable energy
	- Energy security.
	- freegy eustainability
	? Reduce Environmental and Human Hearth Supact.
	-> Improve theory efficiency.
	-> Upgrade technology for supplying energy to underdeveloped
	countries.
	WWY TUES

(4) India Policy Somments: - flux - Year - Raw first five year Plan (1951-1956), 12th 5 year plan (2012-2017), 00 13th -> (2017-2022) No more formal plans are made for the economy, I year plans continue to be made - Interpreted Energy Policy: Made in 2017 Addresses all aspeck of Friegy: Availability, Security, Sustainability, officerray, etc. - Notional Action Plan on Climate Change lawreled in 2008 to mitigate and adapt to advence & impact of llimate change -> Electricity Regulation Commission Act (A98) Act to provide establishment of Afectricity Regulation commission. - Hectricity Act (2003): Lover major issues (Heneration, transmission, tradus - INDC (2015) - Intended National Retermined Contributions HAT 150-50001 - International Handard created by Internation Handard Organization - Specifies the dequirements in extablishing, implementing maintaining Frugy Management System. Helps organizations vaduce their energy use & fungent i greenhouse gas envesions. - Released in Tune 2011. Suitable for any organization, whatever size whorsver located. - Second edition was acleased in August 2016 - Helps organizations is efficient use of energy, his tagets and objectives to need the policy; make botter decicions about energy use Measure howeth, incuien and improve Energy Management. (M)- PDCA (Plan-do-check act or Plan do check Adjust).

-> frame work -> same as 15050001.

-> Plan -> Establish objectives: -> Es > larry out objectives for prev dep

-> Check - finalwate vessell -> Act drupte we process.

1 Sterative 4 step management nothed used in businesses.

EESL- Friendy Efficiency Services limited

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Hunicipal and Agricultural SSM (Somand side Management) Smitiatives:

Tosm has been recognized as more of major intervention to achieve reduction in energy demands while encuring development

Tosm has become integral part of all central and state missions.

Have helped utilities to reduce flactricity demands:

Have helped utilities to reduce flectricity demande.

Agriculture D.C.M.

ground water extraction, investment in power plants, or.

70 households depend on agriculture Contribute to 171 of BAP and

provide employment to over 60% of population.

-) Create awaroness for theory efficient pumpets.

Hunicipal Nem:

- Growing demands for kubbic utilities sec of T in population &

improved standards of living. I energy demands.

- nunicipality sector consumes electricity for street lighting, water pumping, etc.

- Rising peaks in morning hows due to water pumping & evening howes

- MUDSM can improve the overall efficiency of Urban local Bodies.

- Muber was initiated ble there is immense energy sawing potential in

> Energy is essential for wide range of human activities

provides ample opportunities to reduce energy related emissions

Reduction can be difficult keeping in mind human behaviour 2

References

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(X)·	Standarde and labelling Pergramme:
	Objective is to provide customer informed choice about energy
-	and lost sawing potential of malketted product.
ī _	largets display of Fnergy performance labels on high energy end use equipments.
	Star labelled Appliances.
	1.
<u>-</u>	(*) · Air Conditioners (*) · LED lamps (*) · Computers (*) · Geyers (*) · Hotors (*) · Printers
٠	(x). Refrigerators. (x). leiling fanc. (x) Scanners
	(x). Color To (x) Stones (x) Microwave Our
- 11	
	(x) Inverters. (x) laptops.
(*)	Excellence Ephancement Center (EEC):
	Set up in India to me to an analy
	Set up in India to promote energy efficiency & security.
	times to create awareness in Indian Power rectors by exchanging
	deas and experience, providing examples, etc.
	ong teim goal - establish more efficient power plants
	explanment amount
	evelopment Organizations. Member Benefits:
	ree expert technical advices.
-1 A	esell to discounted the
L 2 09	eress to discounted the purchase of EEC is technical studies
J ():	eference in chidy/ Expert Committee.
9 0	rganizing conferences, knowledge Exchange, etc.
(*) · B	if not loutent Analysis:
→ 8n	put output model is a quantitative economic model that
no	Paramete Interdegenderale bla tille
Con	presents interdependencies also different sectors of national
en	promie multiplières measuring total change in sales, income &

PAGE

1	depict the monofacy flow of goods & services. All sectors purchase goods from one another and use them a in the production of first product. Mothematically expressed as: warring leontrief developed this type of qualysic (Nobel Prize is The production of first product. The product product product product. The production of first product. The production of first product. The production of first product.

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