

What are your top take aways from the report?

19 Answers

Lack of transparency is a consistent problem with IESO

The electricity planners are getting a little better but still quite bad. We have some very good and constructive things to say and we need to aggressively get our message out there.

IESO demand math also needs to take into account worst case weather episodes (i.e., Polar Vortex episodes with -30°C weather)

IESO is on the wrong path...It seems their forecast requirement for new generation could be better spent on deep retrofits and renewable energy

more scenarios are needed!

Narrow scope of IESO study and the reasons why Climate Action Plans (CAP) project only a 1% increase because of demand side efficiency projections.

IESO work may reflect "worst-case" (i.e., very high demand), whereas municipal forecasts represent "best case" - so we may land in the middle?

Reinforce the value of municipal climate action and energy planning and the misalignment with IESO planning

The Provincial Government drives IESO which works in a silo and there's no engagement with Municipalities to develop the decarbonization strategy.

What are your top take aways from the report? 19 Answers

Lack of transparency and unable to understand IESO data

IESO is out of touch with our current climate emergency reality!

The IESO numbers don't make sense. How did they come up with those numbers?

lack of innovative solutions and optimism

Lack of a climate lens on this study

That the IESO is not considering renewables or EE as much as they should be.

IESO was likely told not to look at renewables in great detail, due to political optics (i.e., government cancellation of wind and solar projects)

Need to look at system benefits of investing in demand side (I.e incentives for ground vs air source heat pumps)

Municipalities are at the forefront of climate action on buildings and transportation. Bottom-up system change is key.

What are your top take aways from the report?

19 Answers

We need to lobby to get a new mandate for the IESO ASAP that incorporates the climate emergency. We need to get all the assumptions used by IESO & show the public through news media past mistakes

Input on Additional Scenarios recommendation

10 Answers

We need the business as usual scenario

Modelling demand based on CAP projections of achieving 50% energy efficiency in buildings built before 1980.

Scenario with renewables percentage more in line with international standards.

What is source of heat pump low temperature back-up heating? Electric resistive vs natural gas?

How do we deal with the Long Term RFP which is just procuring gas and batteries?

What would it mean if all existing buildings had heat pumps?

more focus on distributed generation and storage (net metered solar & batteries, vehicle to grid) and the role of private capital (i.e., homeowner) in investing in these distributed assets

system change scenarios for urban design and transportation in particular. Can we meet other priorities of affordable housing, reducing gridlock etc through system design for net-zero.

Why the limitations on wind generation and Quebec imports in the pathways study?

Input on Additional Scenarios recommendation

10 Answers

Why did the pathways study have limits on Wind generation and Quebec imports which seems so low?

Input on An Integrated Energy System Analysis Recommendation

11 Answers

more focus on distributed generation and storage (net metered solar & batteries, vehicle to grid) and the role of private capital (i.e., homeowner, building) in investing in these distributed assets

More info on the health benefits of investments in EE and renewables, as well as on the health costs of investments in natural gas.

more information on technological grid constraints that limit interconnection of distributed generation

Increase the focus on conservation measures with an aggressive approach to achieve higher energy reduction targets.

Forecast community demand vs supply; future growth; w climate warming forecasts

Focus on impacts and drivers of conservation

distributed generation (renewables) and smart grid

the "who pays for what" question needs to be sorted out to avoid big scary \$ numbers - homeowners can invest in solar PV and batteries, but not in SMRs...

what are the air quality and health benefits associated with reduced reliance on vehicles that can occur with compact land use planning, vs urban sprawl.

Input on An Integrated Energy System Analysis Recommendation

11 Answers

we still need to plan for the occasional very cold days that come with climate change induced polar vortex weather (weak jet stream) even with HDDs dropping overall

GDS and mass neighbourhood low-income retrofits need to be instituted and incorporated into planning. There are no programs on heat pumps by the province. By-directional EV charging can be storage.

Input on Review of the IESO Mandate Recommendation 6 Answers

Must take the climate emergency seriously by putting it in the mandate.

there are transformer-related constraints that are preventing distributed generation (i.e., net metered solar) that need to be fixed ASAP

Need to consider the federal Clean Electricity Regulation coming into place

A great recommendation - the current mandate seems Red-Green esq: "That we are IESO, that we can decarbonize, if we have to, I guess..."

Have an aggressive mandate/target set for LDCs so that they push customers to achieve higher energy efficiency.

Alignment w Climate Emergency Declaration: need a collaborative and collective approach vs a single, self serving approach

Input on Regional Disaggregation Recommendation

1

Answer

LDC's are not happy with the current Long-Term RFP which doesn't deal with the distribution system level demands

1



Input on Climate Change Impacts Recommendation

5

Answers

IESO also needs to account for resiliency aspects (i.e., ice storms knocking our transmission lines for multiple weeks) when considering distributed generation

This seems to be major gap in assumptions. IESO seems to miss the transformation that is needed

It always has to be said, people always seem to be nagged about it for some effing reason.

In a nutshell, municipalities by their nature have to look at the big picture

Energy efficiency makes homes more resilient to climate weather extremes and protect people from heat waves and extreme cold.

Input on Transparency recommendation

4 Answers

Absolutely....

Since the past modeling has been soooooo baad.
It is necessary to find out how the IESO came up
with its estimates of future demand.

It might take a good cop / back cop approach to
get the IESO to behave. Apologies to the cops out
there

Agree. The report is less useful without the ability
to fully understand it

Input on Comprehensive Economic Analysis Recommendation

3 Answers

Legacy costs on managing nuclear waste...

Economic cost of inaction

Yes...need to know the health co-benefits associated with increased renewable energy and EE ...and the health costs associated with increased use of natural gas plants.

Input on Stranded Asset Risk Recommendation

1 Answer

publish map of technically
constrained areas

Input on Accounting Scenarios Recommendation



Input on implications of local climate action plans on distribution systems recommendation

4 Answers

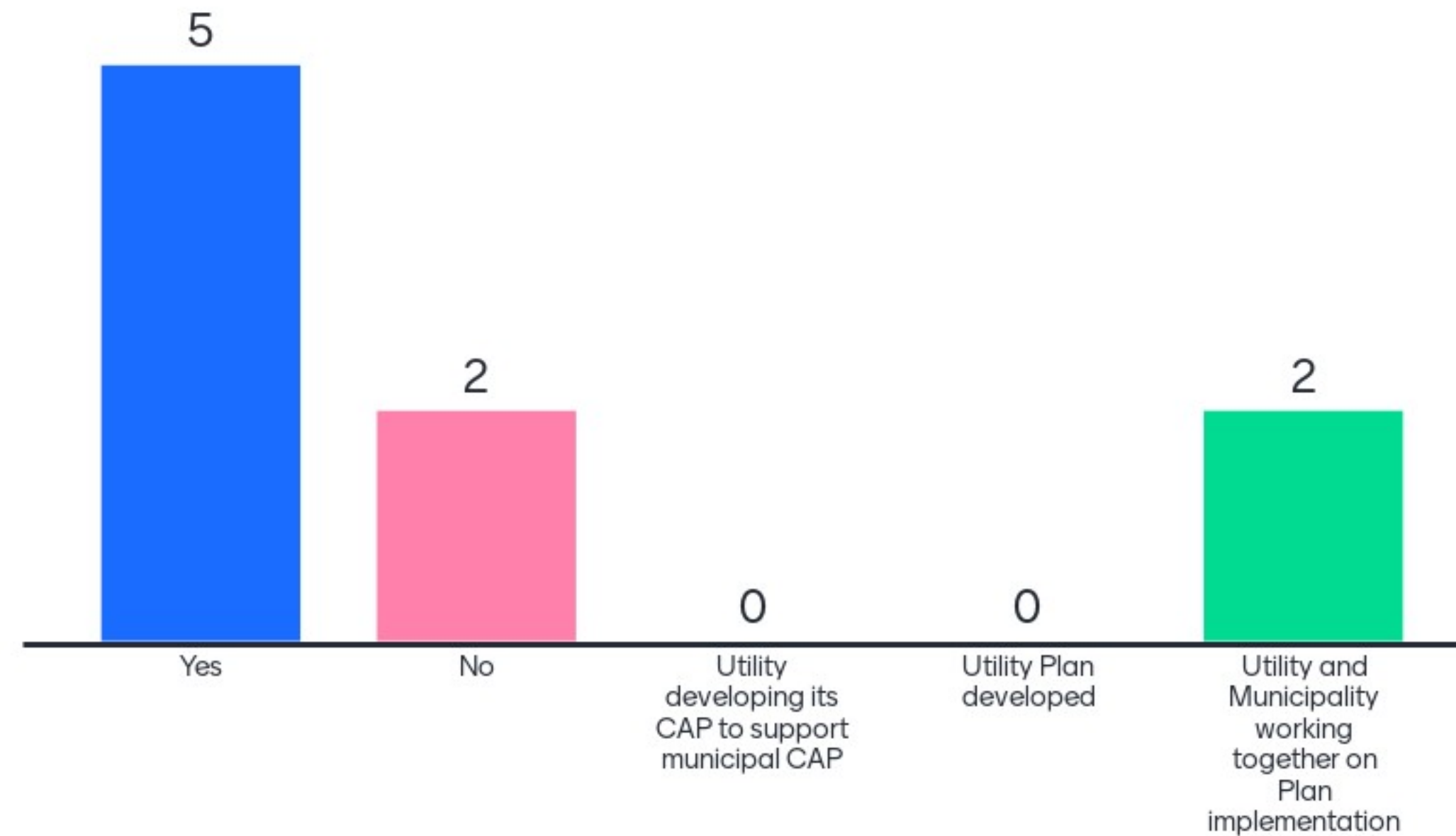
Complete a study on grid resiliency applying a climate lens

The IESO once did white papers on considering the distribution system - dust them off!

Must start from ground up and provide funding to see them implemented by the province.

Scenarios of future DER implemented locally. Or different energy co-op or deregulated scenarios.

Has your municipality engaged with your utility on how the utility and municipality need to work together to implement CAP?



Input on Localised Energy Planning Recommendation 2 Answers

We need to lobby, lobby , lobby. Do you know how often the gun lobby visits MPs and MPPs?

Must be incorporated in the provincial electricity and energy planning.

What additional outreach opportunities do you think should be advanced?

5

Answers

More laymens-term explanations of what is needed.

Press release that we all pick up on and promote. Take the initiative on the topic after two + years of being propagandized.

Another/final webinar for larger audience

Broader public needs to understand this problematic disconnect between IESO and municipalities!

Invite Utilities to this webinar and share their insights

What questions do we need to dig into?

