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# 2024 Integrated Resource Plan
# Set 6 Stakeholder Question & Answer

September 2024

# 2024 Integrated Resource Planning (“IRP”)

## Question and Answer

The following slides contain questions 1–2 below refer to the “2024 Integrated Resource Plan Stakeholder Meeting #2” slide deck, dated August 15, 2024 and the responses to questions in Set 5.



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# Q&A 1

1. **Slides 12-15 report the capital cost trajectories for a number of resources. These slides do not state whether the data are real or nominal, but the response to question 4b states they are nominal. However, the table on page 12, just before that response, shows numbers that look quite similar to those in the chart, and that table says the values are in 2023 dollars. Can you please help resolve this discrepancy?**

   ***Response:*** *The '2023$/kw' value shown on table on page 12 in the Question 4a response was a typo. Those values are nominal costs by installed year. We have rectified this typo in the table which is now updated on page 12 of the Set 5 Question and Answer document.*

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# Q&A 2

2. **Entergy has a 2050 net zero goal, and the January 2024 slides show various illustrative pathways to net-zero by 2050. However, the preferred portfolio in this presentation, P2A CC, shows a significantly different energy mix by 2045. Furthermore, it seems that P2A CC will result in higher emissions compared to current levels; while total emissions are not reported, the CO2 rate in P2A CC seems to decline by around 25% by 2045, as per slide 56, while demand growth seems to compensate for this by growing 2.7% per year on average (assuming that energy demand grows at the same rate as peak demand on slide 15 here, given energy demand does not appear to be reported). Some high-level math suggests emissions could be around 20% higher than current levels given these factors. While I understand that P2A CC applies to only EAL and not Entergy as a whole, could you please clarify how this portfolio aligns with Entergy's net zero goals?**

***Response:*** *It is imperative to note that the IRP results are not intended as static plans or pre-determined schedules for resource additions or deactivations. Instead, it is intended to support near term decision while guide long term planning, hence it is updated every three years to reflect changing conditions and needs. Looking at 2045, it is necessary for EAL to understand what assumptions and methodology was applied by ICF before the Company could respond to your conclusion on emission rates. Regarding the net zero goal alignment, the goal is based on a utility wide contribution. However, when looking at P2A CC there is a mix of gas and renewable resources with the assumption that the modeled CCCTs technologies are able to utilize CCS or are H2-capable, providing an additional pathway for lower carbon operations in the event CCS is not feasible or economic for specific resources. At the same time, EAL will continue to monitor the viability for hydrogen, renewables and CCS especially with the availability of the 45Q credit. EAL also will assess opportunities for suitable CCS sequestration sites and as policy priorities shift, EAL will evaluate the availability of the tax credit and adjust its long-term strategy if necessary.*



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