Tacoma Power 2022 IRP Workshop #3

Thursday, June 30, 2022

PARTICIPANTS

Name	Representing	Name	Representing
Pat Babbit	City of Tacoma	Keil Drescher	TPU
Klarissa Monteros	City of Tacoma	Rachel Clark	TPU – Meeting Lead
Chris Connolly	NW Energy Coalition	Haley Saul	TPU – Facilitator
Bruce Martin	West Rock	Travis Metcalfe	TPU – Facilitator
Rebecca Sliger	Tacoma Community College	Danielle Szigeti	TPU – Project Team
Paul Munz	BPA	Ryan Fulleman	TPU
Mia Navarro	City of Tacoma	Ray Johnson	TPU
		Lisa Rennie	TPU
		Jim Russell	TPU
		Michael Catsi	TPU

NOTES

COMMENT | For some people, it's hard to rank the following factors: reliability, carbon emissions, cost/rates, equity, thinks they should be on equal footing

- RESPONSE | They are all important! However, when you have to make those tradeoffs, there may be a situation where you can't achieve all of them.

COMMENT | Feels like a false choice to pose to some extent - agreed that tradeoffs are difficult to make. Cost/rates also of course has strong equity implications.

- RESPONSE | That's a great point. Certainly cost affects Equity directly.

QUESTION | By backsliding of carbon reduction policies, do you mean not meeting policies we passed?

- ANSWER | It could be that. It could also include policies becoming less stringent from modelling standpoint.

QUESTION | It seems like lately you could have the same lineup in the summer, e.g. not relying on the wholesale market because of wildfires or disruptions south of us that might block power getting to us. do we look at that?

- ANSWER | We do have scenarios where we have tight markets in the summertime. It is that, in the current modelling approach, we end up generally in a good position in the summertime. This is due to lower loads in the summer, even if there's more AC, it's lower penetration. Load has to get pretty high before it causes a summer issue. Our capacity position is typically quite high in the summer. Even in pretty low water conditions, we generally adjust enough to serve load. This doesn't mean that we might not find that we're at risk in the summer in the future, but for now we're not seeing that in the IRP modelling.

QUESTION | I'm assuming these models take climate change / lower water levels / more precipitation as rain into account?

- ANSWER | No and yes. Although we have sensitivity analyses, ight now we're still figuring out how best to incorporate the hundreds of climate projections that we have. iI's not a question of whether to do it, it's how best to incorporate it. We currently rely on the same set of climate projections that the power council used in the power plan. And we modelled out in the preferred portfolio how our water will change. We're still working on figuring out the full scope of climate change systematically and steps on how to get there.

COMMENT | (Regarding electrification sensitivities) For those of us excited about electrification, that is disappointing.

- RESPONSE | It just means our current supply isn't enough by itself to handle the levels of electrification that we modelled. This doesn't mean we wouldn't invest in more resources.

COMMENTS | (Regarding ways to meet needs in electrified future)

- Working with the City to enhance weatherization for formerly redlined/low opportunity areas to reduce load.
- Biomass
- Green Hydrogen is beginning to become an acknowledged resource.