

Integrated Resource Plan (IRP) January 20, 2022 Meeting Summary

v. 2/24/2022

Meeting Date, Time & Materials

• Date: Thursday, January 20, 2022

• Time: 1 – 4 p.m.

• Link to Meeting materials

Action items from January 20 IRP Meeting

What	Who	When
Follow up with Katie Ware about slide 14 of the presentation in response to her question "What does the model look like initially and what is the thought process to diversify after?"	Puget Sound Energy (PSE) (Kara Durbin)	Included in feedback form
Follow up with stakeholders about the timeline for time varying rates.	PSE (Gurvinder Singh)	Included in feedback form
Send Joni Bosh link to Appendix E2 Tab 1 of the CEIP which explains the incremental cost calculation.	PSE (Wendy Gerlitz)	1/20
Follow up with Joni Bosh in response to question: "The three models come up with a range of temperatures, do you average them? How do you treat the range of temps and models to get your green lines?"	PSE (Allison Jacobs)	Included in feedback form
Follow up with Amy Wheeless/NWEC in response to comment: "For EE, it's challenging to say incremental, since there isn't any one program that is for CETA – it's more peanut buttered around."	PSE (Wendy Gerlitz)	1/21 – email communication explaining Energy Efficiency incremental cost sent to Joni Bosh at NWEC.

Summary of IRP comments and questions

Update on Final Clean Energy Implementation Plan (CEIP)

- IRP stakeholders have ongoing concerns about potential fossil fuel facilities between
 now and 2025. PSE shared that it does not have plans to build a natural gas peaking
 plant during the CEIP period of 2022-2025. However, PSE does have a capacity need
 identified in the IRP beginning in 2026, and the responsibility to maintain a reliable
 system. PSE needs to find a way to meet that need, which is what the All-Source RFP
 process is beginning to evaluate. PSE prefers resources that both qualify as renewable
 or non-emitting resources under CETA and can also meet our capacity need.
- IRP stakeholders are supportive of the plans for increased solar and Distributed Energy Resources (DER) programs.
- IRP stakeholders are interested in the RFP process, particularly in PSE's plans to build or acquire additional wind resources.
- IRP stakeholders encouraged PSE to consider on-bill financing.
- See slides 12-23 of the meeting materials

Reflecting Climate Change in Load Forecasting

- PSE's approach to climate change modeling is important to IRP stakeholders. Questions
 and suggestions included modeling more specific to PSE's service territory, expanding
 weather stations beyond SeaTac to include other locations in PSE's service area, and
 consulting with climate scientists at the University of Washington.
- IRP stakeholders were generally supportive of PSE's approach to incorporating climate change into the demand forecast and IRP.
- IRP stakeholders are interested in the 2023 Electric Progress Report including any forecasted changes in vehicle and building electrification.
- See slides 31-60 of the meeting materials

Conservation Potential Assessment (CPA)

- IRP stakeholders are interested in how time-varying rates and electric vehicles might impact the CPA.
- See slides 61-65 of the meeting materials

Summary of IRP Breakout Groups

Conservation Potential Assessment (CPA) and Climate Change Breakout Group

- IRP stakeholders asked PSE to consider the following topics for the CPA:
 - How PSE can be a driver for efficiency improvements and encourage customers to use PSE incentives.
 - Expand assistance for low-income programs to improve energy efficiency.
 - o Improve customer awareness of programs and efficiency services.
- IRP stakeholders asked how the CPA is incorporated into the CEIP.
 - PSE shared that the CEIP uses numbers from the Biennial Conservation Plan.
- IRP stakeholders would like PSE to consider the following topics for future analysis:

v. 2/24/2022

- o The importance of accurate, local modeling.
- o Choosing climate change models that reflect the future of PSE.

Engaging in 2023 IRP Reports Breakout Group

- IRP Stakeholders provided feedback on topics for upcoming IRP meetings in 2022:
 - Meeting 2: Legislative session highlights and takeaways, resource modeling, plans for distributed energy resources, and vehicle to grid.
 - Meeting 3: Updated resource modeling, resource adequacy, and modeling techniques.
 - Meeting 4: No feedback
 - Meeting 5: No feedback
- Other questions included meeting timeline, plans to discuss Distributed Energy Resources, and resource alternatives.

See Appendix for Mural boards from each breakout group.

Next Steps

- PSE will review feedback from the meeting to shape the future engagement strategy.
- PSE will reach out to IRP stakeholders with a meeting schedule. The date of the next IRP meeting is to be determined.
- The feedback form will be available on February 24, 2022.

Integrated Resource Plan (IRP) January 20, 2022 Meeting Summary

v. 2/24/2022

Attendees (alphabetical by first name)

- 1. Aaron Tam, Office of Attorney General
- 2. Amir Sanjar, Matrixes Corp
- 3. Amy Wheeless, NWEC
- 4. Anne Newcomb
- 5. Anusha Papasani, Hecate Energy
- 6. Austin Nnoli, *GE*7. Bill Pascoe, Pascoe Energy
- 8. Bill Will, WASEIA
- 9. Brian Robertson, CNGC
- 10. Brian Grunkemeyer, Flex Charging
- 11. Carol Loughlin
- 12. Carolyn Logue
- 13. Charlee Thompson
- 14. Chris Walford
- 15. Cody Duncan, TransAlta
- 16. Corey Dahl, *Office of Attorney General* 17. Daniel Handal, *NextEra Energy* 18. David Huffines, *BP*

- 19. David Tomlinson, Solar Horizon
- 20. Debashis Bose, 1898 & Co
- 21. Don Marsh, Sierra Club
- 22. Doug Sabine, TransAlta
- 23. Ellyn Murphy
- 24. Eric Markell
- 25. Fred Huette, NWEC
- 26. Halley Miklos, Con Edison Clean Energy Business
- 27. Howard Harrison
- 28. James Adcock
- 29. James Doone, esVolta
- 30. Jennifer Snyder, *UTC*31. Jeralee Anderson, *City of Redmond*32. Jeremy Summers, *Auto Grid*
- 33. Jessica Neely, Hecate Energy
- 34. Jim Schretter, Beacon Energy
- 35. Joel Nightingale, *UTC*
- 36. John Fazio, Northwest Power and Conservation Council
- 37. Joni Bosh, NWEC

- 38. Kathi Scanlan, UTC
- 39. Katie Ware, Renewable Northwest
- 40. Kelly Goodman
- 41. Kendra White, UTC
- 42. Linsday Osier, *Energy Solution*43. Lloyd Reed, *Lloyd Reed Consulting*
- 44. Lori Hermanson, Avista
- 45. Marcus Sellers-Vaughn, Cascade Natural Gas Corporation
- 46. Marilyn Subala
- 47. Mark Klein, *Broad Reach Power*48. Markus Virta, *Western Solar Inc.*
- 49. Marty Saldivar, *Williams Companies* 50. Matthew Mahoney, *City of Des Moines* 51. Michael Berry, *Q Cells*

- 52. Nathaniel Lawver, *Laborers Local 252* 53. Nelli Doroshkin, *Invenergy*
- 54. Norm Hansen
- 55. Owen Hurd, *Tuusso Energy LLC* 56. Pamela Braff, *City of Olympia*
- 57. Patricia Tuor
- 58. Patrick Leslie, Monolith Energy59. Patty Cook, ICF Energy60. Peter Besenovsky, Sagestone Ventures

- 61. Phil Ritter
- 62. Phillip Schmidt-Pathmann
- 63. Court Olson, People for Climate Action
- 64. Randall Hardy, Hardy Energy
- 65. Robert Healy, 1898 & Co
- 66. Shashwat Roy, Renewable Northwest
- 67. Stacy Vynne McKinstry, *City of Issaquah* 68. Stephanie Chase, *Office of Attorney* General
- 69. Steve Lewis, Sapere Consulting
- 70. Sue Gunn
- 71. Thomas Cameron, Mitsubishi Power Americas
- 72. Warren Halverson, Frontier Energy
- 73. Willard Westre

Integrated Resource Plan (IRP) January 20, 2022 Meeting Summary

v. 2/24/2022

Puget Sound Energy Presenters (alphabetical by first name)

- 1. Allison Jacobs
- 2. Brian Tyson
- 3. Diann Strom
- 4. Elizabeth Hossner
- 5. Gurvinder Singh
- 6. Kara Durbin
- 7. Phillip Popoff

Puget Sound Energy Staff Listeners (alphabetical by first name)

- 1. Abhimanyu Das Choudhury
- 2. Anthony O'Rourke
- 3. Brett Rendina
- 4. Caity Du
- 5. Chris Smith
- 6. Cindy Song
- 7. Cindy Vu
- 8. Colin Crowley
- 9. Cuong Nguyen
- 10. David Meyer
- 11. Doug Hart
- 12. Eric Kang
- 13. Heather Mulligan
- 14. Jennifer Coulson
- 15. Jesse Durst
- 16. Jisong Wu
- 17. John Dooley
- 18. Josh Jacobs
- 19. Kelly Xu
- 20. Lawrence Becker
- 21. Laxman Subedi
- 22. Leslie Almond
- 23. Lorin Molander

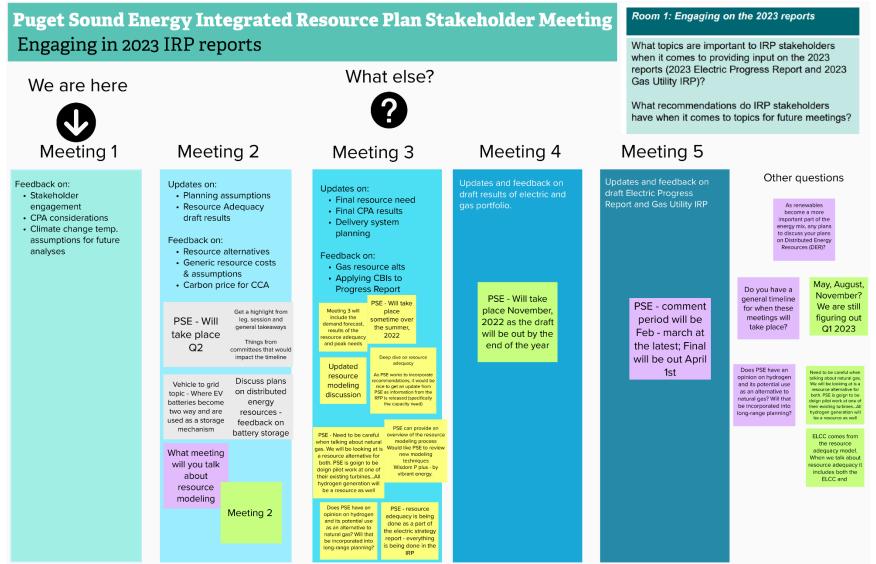
- 24. Mahmoud Ghofrani
- 25. Marc Alberts
- 26. Michelle Wildie
- 27. Nick Gemperle
- 28. Niecie Weatherby
- 29. Ping Liu
- 30. Renchang Dai
- 31. Robert Williams
- 32. Roxana Vilchis
- 33. Sara Leverette
- 34. Sheri Maynard
- 35. Stephanie Price
- 36. Tyler Tobin
- 37. Tom Flynn
- 38. Villamor Gamponia
- 39. Weimin Dang
- 40. Will Einstein
- 41. Wendy Gerlitz
- 42. Zac Yanez
- 43. Zeia Lomax
- 44. Zen McManus
- 45. Zhi Chen
- 46. Scott Williams,

Consultant Staff (alphabetical by first name)

- 1. Claire Wendle
- 2. Jacob Hibbeln
- 3. Lucila Gambino
- 4. Seth Baker
- 5. Sophie Glass
- 6. Taylor Hodges
- 7. Will Henderson

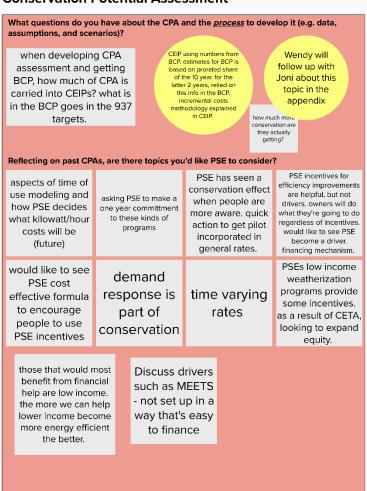
v. 2/24/2022

Appendix – Mural Board Notes from Breakout Groups



Puget Sound Energy Integrated Resource Plan Stakeholder Meeting Conservation Potential Assessment and Climate Change Temperature Assumption

Conservation Potential Assessment



Climate Change Temperature Assumption

Any specific questions about the climate change temperature assumption?

What other considerations should PSE reflect on for future analyses?

the more accurate the local modeling can be the better. important to have most accurate forecast.

these models chosen to reflect models across the PNW - not the future for PSE.

important to not get overly fixated on models.