

2019 INTEGRATE RESOURCE PLAN

Preliminary IRP TAG Meeting Schedule

Meeting	Content
Meeting #1 July 26, 2018	<u>Electric Resource Costs</u> <ul style="list-style-type: none"> • Work Plan • Present overview of updated IRP public and stakeholder participation process • Review outcomes of stakeholder input from IRPAG kickoff meeting (May 30, 2018) • Present how resource costs are used in the IRP • Review draft cost results by resource type
Meeting #2 September 25, 2018	<u>Preliminary Power and Natural Gas Prices and Natural Gas Resource Alternatives and Costs</u> <p>F18 Load Forecast</p> <ul style="list-style-type: none"> • How the load forecast is used in the IRP • Temperatures utilized • Methodology and challenges • Results <p>Power Prices</p> <ul style="list-style-type: none"> • Present methodology concerning development of power prices • Present draft power prices <p>Gas Prices</p> <ul style="list-style-type: none"> • Present methodology concerning development of power prices • Present draft power prices <p>Gas Resource Costs</p>

Meeting	Content
Meeting #3 October 30, 2018	<u>Resource Needs, Resource Adequacy Modeling, and Electric Load Carrying Capability (ELCC)</u> <ul style="list-style-type: none"> • Review updated electric and gas utility load forecast results and methodology • Review resource adequacy models and analytical processes, along with results • Review ELCC analysis for intermittent resources, energy limited resources, and short-term wholesale market • Review reexamination of PSE’s gas planning standard and forecast of gas resource needs • Review electric resource needs: capacity, energy, renewable
Meeting #4 November 13, 2018	<u>Conservation</u> <ul style="list-style-type: none"> • Presentation of draft potential assessment results
Meeting #5 November 27, 2018	<u>Transmission and Distribution</u> <ul style="list-style-type: none"> • Review system planning assumptions • Review T&D stakeholder process
Meeting #6 December 11, 2018	<u>Sub-Hourly Flexibility Value of Different Resources</u> <ul style="list-style-type: none"> • Overview of how results of this analysis feed into the portfolio modeling • Sub-hourly analytical framework, models, and key assumptions • Results of analysis for each alternative examined
Meeting #7 February 12, 2019	<u>Portfolio Analysis Results (Gas and Electric)</u> <ul style="list-style-type: none"> • Detailed overview of electric and gas utility portfolio models • Results of portfolio optimization analysis for all scenarios • Overview and results of stochastic risk analysis • Detailed overview of gas portfolio model • Results of optimization analysis for all scenarios • Next Steps
Meeting #8 May 30, 2019	<u>Draft IRP</u> <ul style="list-style-type: none"> • Present high level results of the 2019 IRP • Collect feedback on the draft and request any comment within two weeks of the publication of the draft