**Purpose of the Integrated Resource Plan**

The primary purpose of Cascade’s long-term resource planning process has been, and continues to be, to inform and guide the Company’s resource acquisition processes, consistent with the rule (WAC 480-90-238). Input and feedback from the Company’s Technical Advisory Group (TAG) will continue to be an important resource to help ensure Cascade’s IRP is developed from a broader perspective than Cascade could have on its own.

**Outline of IRP Content:**

The following is an outline of the Company’s 2020 IRP plan. Organizational structure of the final IRP may be revised based on results of analysis and feedback received through the planning process.

I. Executive Summary  
II. Company Overview  
III. Demand Forecast  
IV. Supply Side Resources  
V. Environmental Considerations  
VI. Avoided Costs  
VII. Demand Side Management  
VIII. Resource Integration  
IX. Distribution System Planning  
X. Stakeholder Engagement  
XI. Two-year Action Plan  
XII. Glossary and Maps  
XIII. Appendices

**2020 IRP Timeline**

The following is Cascade’s tentative 2020 IRP timeline:

- Develop Demand Forecast: December 2019 through February 2020  
- Distribution System Planning Analysis: January through April 2020  
- Gas Supply Analysis: February through May 2020  
- Integration of Supply and Energy Efficiency Resources: February through July 2020  
- Public Process: Technical Advisory Group Meetings  
  - TAG 1: Process, Key Points, IRP Team, Timeline, Regional Market Outlook, Plan for dealing with issues raised in the 2018 IRP. (December 2019)  
  - TAG 2: Demand and Customer Forecast and Non-Core Outlook, Drilling down into segments of demand forecast. Upstream Pipeline presentation. (February 2020)  
  - TAG 5: Final Integration Results, finalization of plan components, Proposed new 4-year Action Plan. (July 2020)  
- File Draft 2020 IRP: (September 2020)  
- Comments due on draft (October 2020)  
- TAG 6 (if needed) (November 2020)  
- Final 2020 IRP Filed: on or before December 14, 2020
Planning Assumptions
Information needed to perform analysis will be gathered and input assumptions developed throughout the first eight months of 2020. This will include detailed definitions of alternative scenarios and all primary input assumptions for demand forecasting and resource modeling. Additional planning information will be assimilated into the analytical process and planning information that is not incorporated into the modeling process will continue to be assessed.

2020 IRP improvements
In the 2018 IRP acknowledgment letter, the WUTC Commission noted six observations where they would like to see improvements in the 2020 IRP.

- Validation of methods
- Greenhouse gas emissions
- Modeling of significant emergency events
- Clarify distribution system planning priorities
- Continue to monitor renewable natural gas opportunities
- Public Participation

The Company looks forward to working through these improvements with Commission Staff throughout the 2020 IRP.

<table>
<thead>
<tr>
<th>Date (Subject to change)</th>
<th>State</th>
<th>Process Element</th>
<th>Responsible Party</th>
<th>Location (Subject to change)</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Tuesday, December 31, 2019</td>
<td>WA</td>
<td>TAG 1 slides distributed to stakeholders</td>
<td>RPT</td>
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<td>Tuesday, January 7, 2020</td>
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<td>TAG 1: Process, Key Points, IRP Team, Timeline, Regional Market Outlook, Plan for dealing with issues raised in the 2018 IRP</td>
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<td>TAG 3: Distribution System Planning, Planned Scenarios and Sensitivities, Alternative Resources, Price Forecast, Avoided Costs, Current Supply Resources, Transport Issues.</td>
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<td>TAG 4: Carbon Impacts, Energy Efficiency, Bio-Natural Gas, Preliminary Resource Integration Results.</td>
<td>RPT/Energy Efficiency Team/Chris R/Abbie</td>
<td>Community Service Room in Bellingham, WA - 9 am to 3 pm</td>
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<td>TAG 5: Final Integration Results, finalization of plan components, Proposed new 4-year Action Plan.</td>
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<td>Friday, October 16, 2020</td>
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<td>Comments due on draft from all stakeholders</td>
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<td>WA</td>
<td>TAG 6, if needed</td>
<td>RPT/Other Parties</td>
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<td>WA</td>
<td>IRP filing in Washington</td>
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