



Northwest CHP Application Center

Combined Heat and Power for the states of
Alaska, Idaho, Montana, Oregon and Washington
in cooperation with the U.S. Department of Energy



Creating a Roadmap for Waste Heat to Power

Second annual Waste Heat to Power Workshop

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What's an Energy Technology Roadmap?

A multi-year, detailed map of what needs to happen to implement an energy technology

A roadmap includes:

- An assessment of the current status – Where are we?**
- A mature thinking through of future technology development needs and options – Where do we need to go?**
- An analysis of the current and preferred policy framework – Legal, regulatory & institutional**
- Goals and objectives – The CHP map from LA to Boston**
- Education, information, outreach, advocacy, and technical assistance**



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Why have a roadmap?

- **To think through R&D choices**
- **To Build focused stakeholder support and teamwork**
- **To obtain funding**
- **To develop momentum to meet the goals and objectives**
- **To implement the energy technology**



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Why have a Waste Heat to Power Roadmap?

- **The technology portion of the map is missing**
- **It needs to be more fully included as part of CHP**
- **A waste heat to power stakeholder group needs to be more fully built**
- **Funding is needed**
- **Policy and initiative support – Waste heat and waste heat to power can be forgotten**
- **A response to an era of high and unstable natural gas prices**



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Who are the neighbors of a Waste Heat to Power Roadmap?

- **The CHP roadmap – A waste heat to power roadmap could be an addition**
- **Opportunity fuels such biopower/anaerobic digestion are in a similar circumstance**
- **Industrial Technology Program has a great waste heat roadmap –**
 - **Led by Energetics**
 - **It is a strong step forward**
 - **CHP is included**
 - **The waste heat to power technologies were not included**



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CONCLUDING THOUGHTS

A key foundation stone is missing

- **People wrestle with how to think about waste heat to power – It's like a cousin of opportunity fuels**
- **Waste heat to power gets missed**
- **A roadmap takes homework**
- **We need a roadmap**



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