

2/10/11

Presentation by

Center for

Energy and

Power: Review of

SB 220 and HB

306

<TARGET><BILL>SB 220</BILL><SUBJECT>2-10-11 Presentation by
Center for Energy and Power Review of SB 220 and HB
306</SUBJECT><COMM>HENE27</COMM></TARGET>



Review of SB 220 and HB 306



ACEP
Alaska Center for Energy and Power

House Special Committee on Energy

February 10th, 2011

Gwen Holdmann, Director

Alaska Center for Energy and Power



What is ACEP?

- ▶ Housed at UAF, with faculty, students and staff working throughout the state.
- ▶ Organized in 2008 to meet applied energy research needs of the state.
- ▶ Draws on energy-related expertise from throughout the University of Alaska system.



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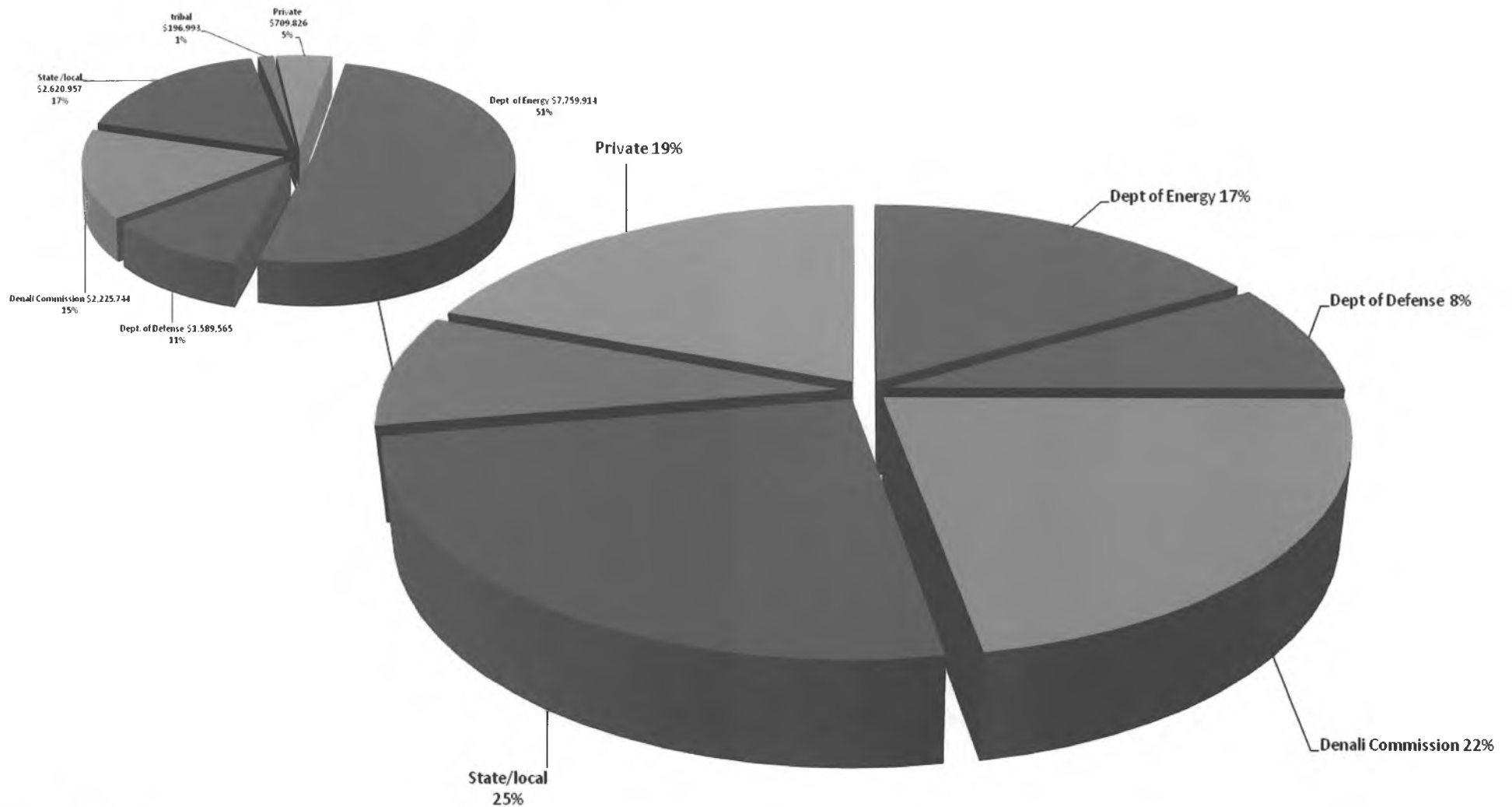
Role of ACEP and the University of Alaska

- ▶ Produce energy-related information for decision makers.
- ▶ Produce students with experience in energy-related disciplines.



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ACEP Projects Per Funding Source



What did we accomplish last year?

- ▶ HB 306 formalized an overarching energy policy for the State of Alaska, included input from a wide range of stakeholders led by former committee chairs Rep. Edgmon and Rep. Millet.
- ▶ SB 220 was a first step in implementing many of these policies – energy ‘omnibus’ bill.



Where are we now?

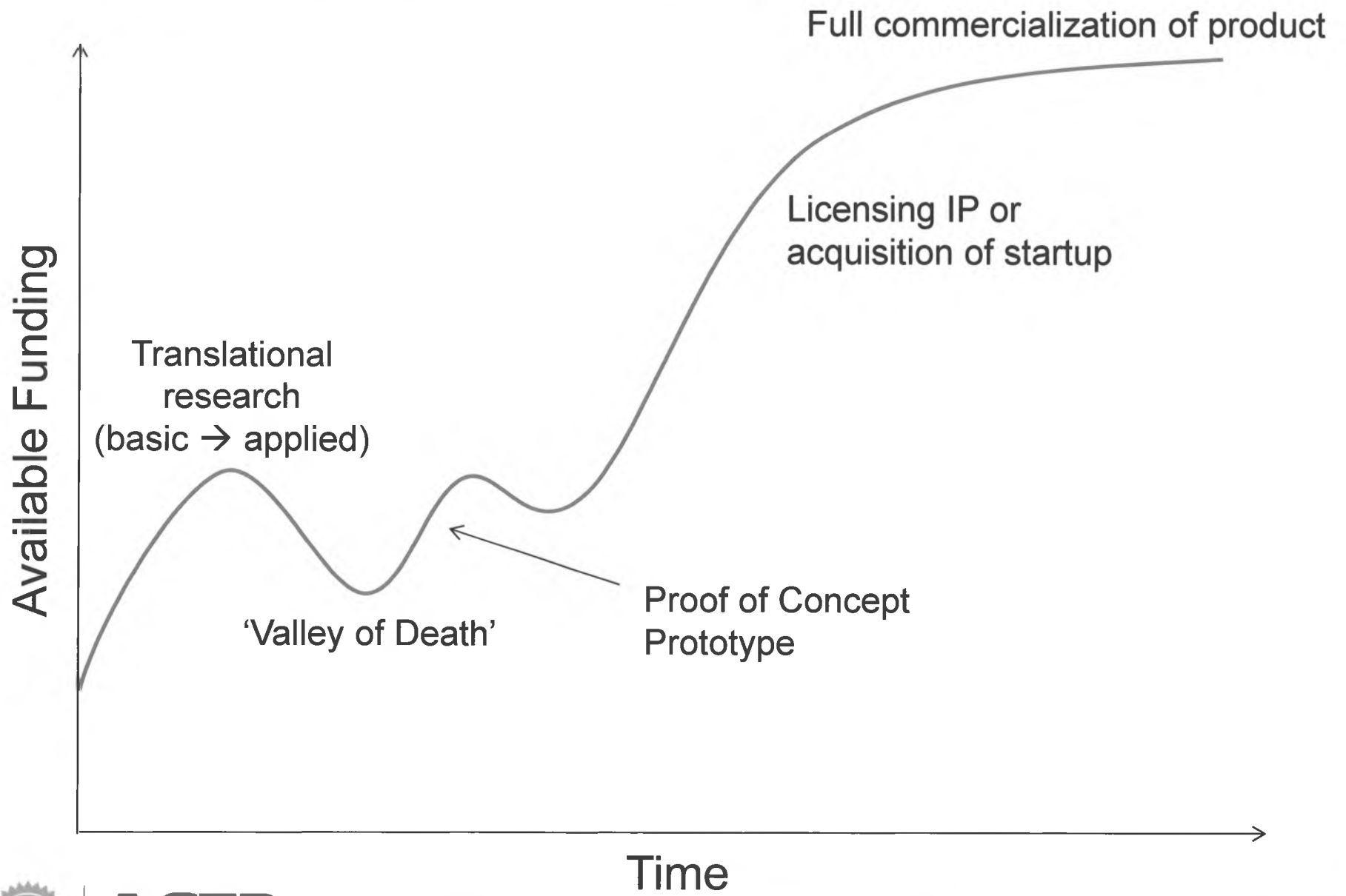
- ▶ Many major energy-related agenda items for this session (oil tax structure, future of gas pipeline, Susitna, Cook Inlet gas supply)
- ▶ Need to continue to keep an eye on how SB 220 is implemented, what still needs to be addressed from HB 306, and other areas not covered.

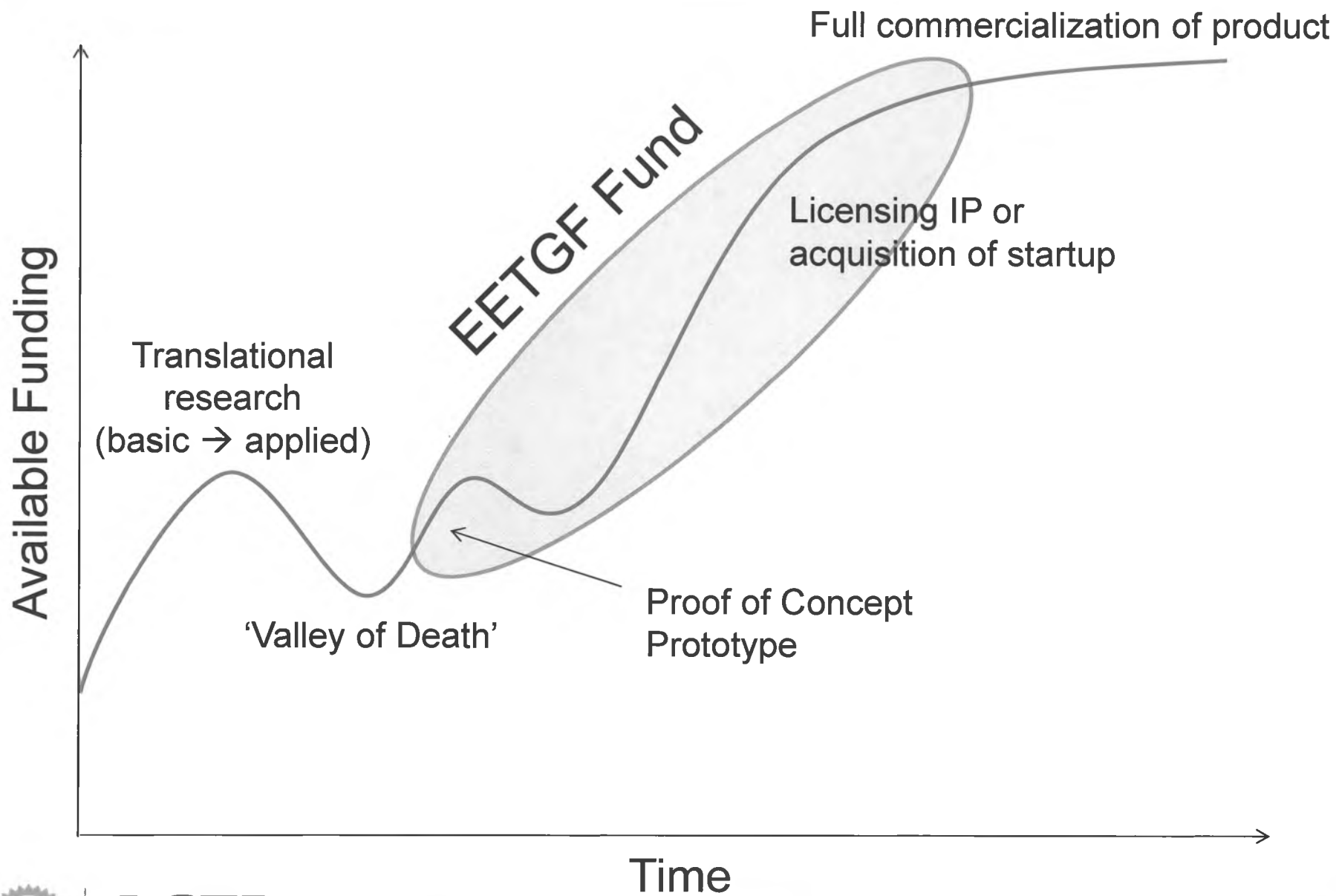


Emerging Energy Technology Grant Fund

- ▶ ‘Round zero’ pilot project a partnership between Denali Commission and ACEP
- ▶ ‘Round 1’ authorized through SB 220 and will be managed through AEA
- ▶ Round 1 first stage proposals due by March 2nd
- ▶ Round zero projects (11 total) all moving forward largely on time and budget





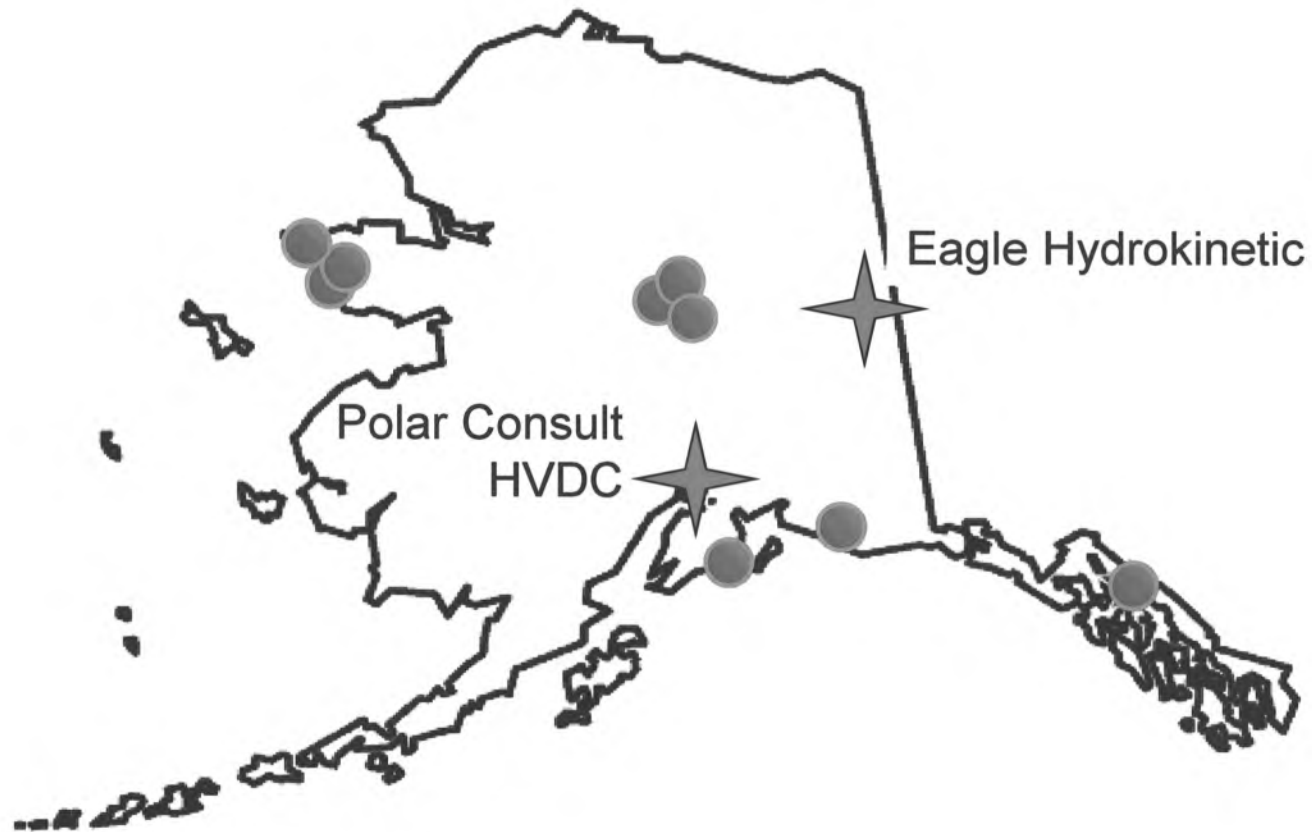


EETGF 'Round 0' Funded Projects

- KEA Wales
 - KEA Solar Thermal
 - KEA Energy Storage (with ACEP)
 - UAF High penetration wind/power electronics
 - ORPC Nenana Hydrokinetic (with ACEP)
 - TCC ORC Project (with ACEP)
 - Cordova biogas
 - SLC Seawater Heat Pump
 - Sealaska Pellet Boiler
-



EETGF 'Round 0' Funded Projects

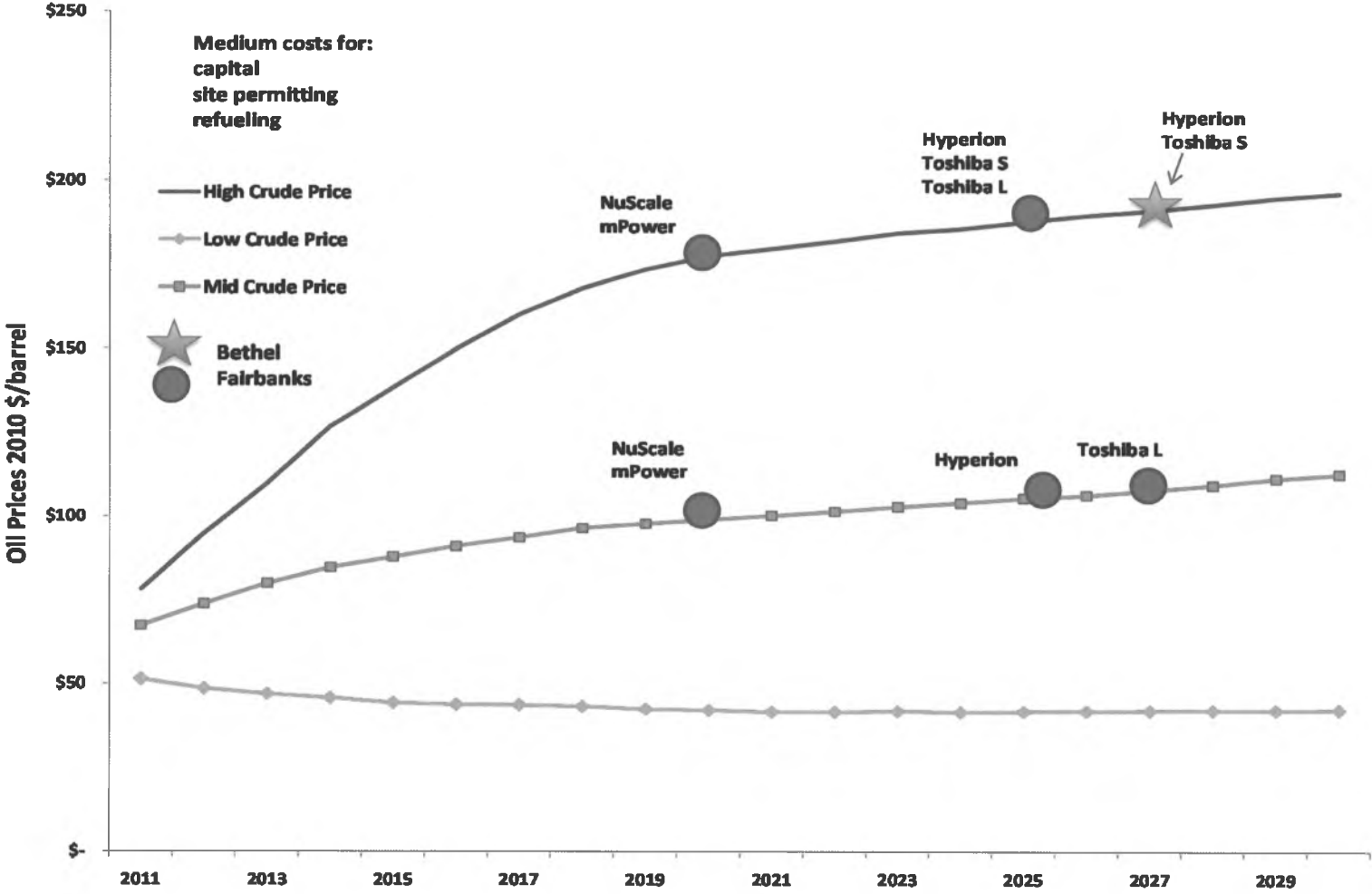


Consideration of Nuclear Energy for AK

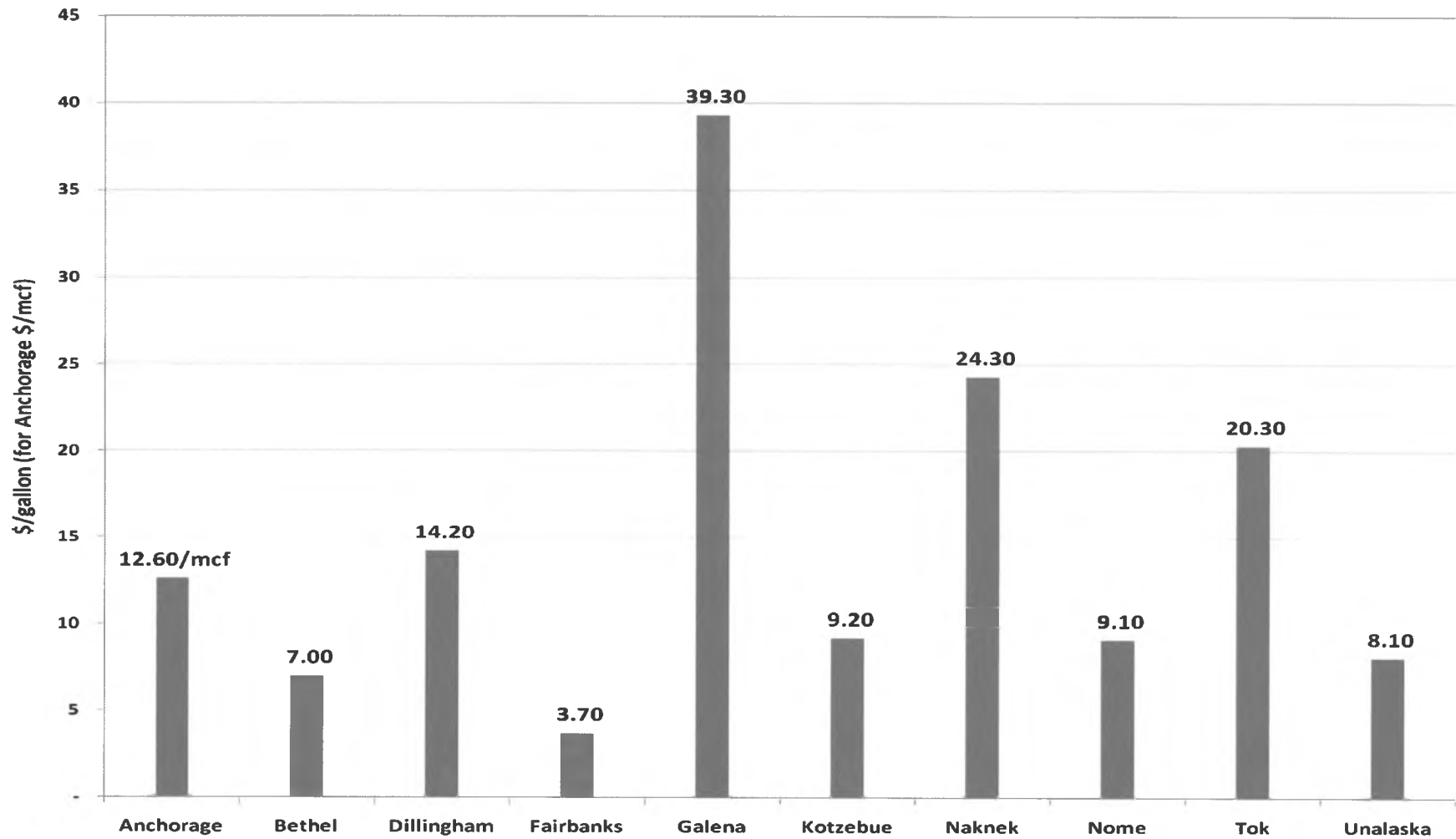
- ▶ Interest spurred through SB 220
- ▶ Report will be released in draft form in 2 weeks



Consideration of Nuclear Energy for AK



When could SMR technology become viable?



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Future work?

- ▶ PCE Overhaul
- ▶ Renewable Energy Fund
(add complimentary loan program?)
- ▶ Follow through on HB 306 policy recommendations:

'It is the intent of the legislature that the state remain a leader in petroleum and natural gas production and become a leader in renewable and alternative energy development.'

'The state should invest in applied energy research and development of alternative and emerging technologies, including university programs, to achieve reductions in state energy costs and stimulate industry investment in the state.'



ACEP \$250k Budget Request for FY12

- ▶ In Univ. of Alaska Board of Regents budget
- ▶ Would provide funding for critical initiatives such as: addressing rural energy issues, the Wind Diesel Applications Center (WiDAC), and the Alaska Hydrokinetic Energy Research Center (AHERC)
- ▶ ACEP currently manages 30 active research projects totaling \$15M



For more information visit:

www.uaf.edu/acep



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