



Healy Coal-to-Liquids (CTL)

by Bretwood Higman, Erin McKittrick, David Coil

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ENERGY FRONTIER — The site of the proposed Emma Creek Power Energy Project and Healy CTL project. — Get Photo (</photos/energy-frontier/>)

In 2007 a [feasibility study](http://www.netl.doe.gov/File%20Library/Research/Coal/energy%20systems/gasification/pubs/FINAL-Healy-FT-1251-07062007.pdf) (<http://www.netl.doe.gov/File%20Library/Research/Coal/energy%20systems/gasification/pubs/FINAL-Healy-FT-1251-07062007.pdf>)(3.6 Mb) was completed regarding a proposed 14,600 barrel (around 7300 tons of coal) per day [coal-to-liquids \(CoalToLiquids.html\)](#) (CTL) plant in Healy, near the [Usibelli coal mine \(UsibelliCoalMine.html\)](#) to supply liquid fuels to refineries within Alaska. Possible customers include the [Flint Hills \(http://www.fhr.com/refining/alaska.aspx\)](#) and [PetroStar refineries in](#)

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<http://www.petrostar.com/divisions/refining>), the PetroStar refinery in Valdez (<http://www.petrostar.com/divisions/refining>), and the Tesoro refinery in Nikiski (<http://www.tsocorp.com/tsocorp/ProductsandServices/Refining/KenaiAlaskaRefinery/KenaiAlaskaRefinery>). This proposal grew directly out of the planned [Beluga CTL \(BelugaCTL.html\)](#) project when it was found that the [subbituminous coal \(TypesOfCoal.html\)](#) found at Usibelli coal mine shared almost identical properties with the coal found at the proposed [Chuitna strip mine \(ChuitnaCoalMine.html\)](#) near Beluga. Therefore this plant would use the same [integrated gasification combined-cycle \(IGCC\) \(CoalCombustionMethods.html\)](#) technology as proposed for the Beluga CTL project. However, since the coal would come from the existing Usibelli mine, this project is not dependent on the creation of a new mine at Chuitna. This plant was possibly to be sited adjacent to the [proposed Emma Creek Energy Project \(/Issues/AlaskaCoal/EmmaCreekCoalPower.html\)](#).

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COAL SEAM BY EMMA CREEK — This coal seam by Emma Creek is just upstream of the sites for the proposed [Emma Creek Energy Project \(/Issues/AlaskaCoal/EmmaCreekCoalPower.html\)](#) and the [Healy CTL project \(/Issues/AlaskaCoal/](#)

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[HealyCTL.html](#)).

— Get Photo (/photos/coal-seam-by-emma-creek/)

This proposal investigated the possibility of carbon capture and storage (CCS) ([LowCarbonCoal.html](#)) using nearby unmineable coal beds for CO₂ storage, but concluded that unless mandated by law CCS would not be economically feasible at the site.

Therefore any fuel derived from a Healy CTL plant would have a much higher impact on global warming than conventional oil-based fuels. *[CO₂]: carbon dioxide