

KWAAN ENERGY

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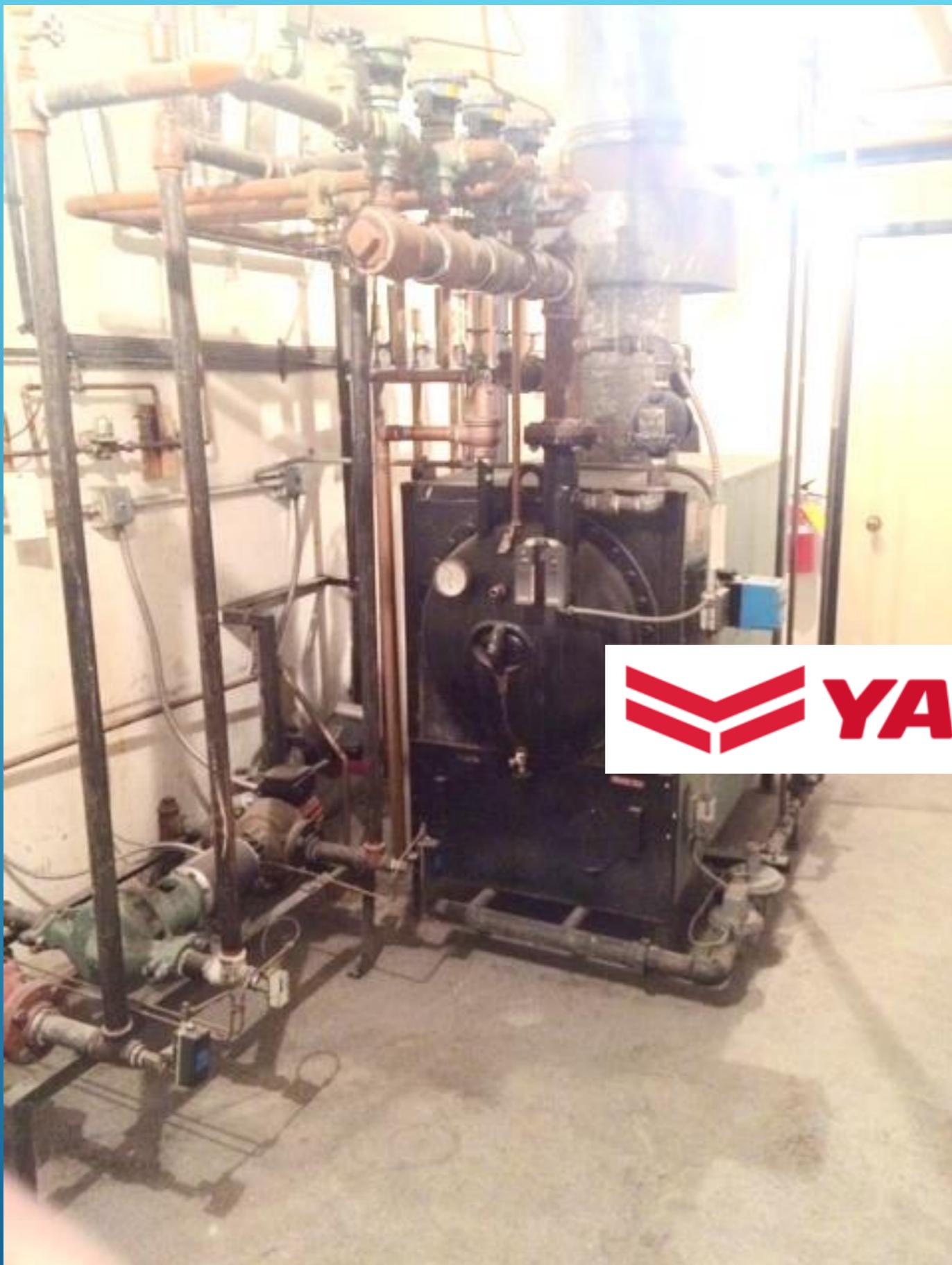
YANMAR

C Street Plaza is a 30,000 sq. ft. office building located at the corner of 16th and C Street. It is the headquarters of Alaska Federation of Natives and Alaska Village Initiatives.



PROJECT OVERVIEW

Google earth



MUSEUM

QUALITY



CIRCA
1970

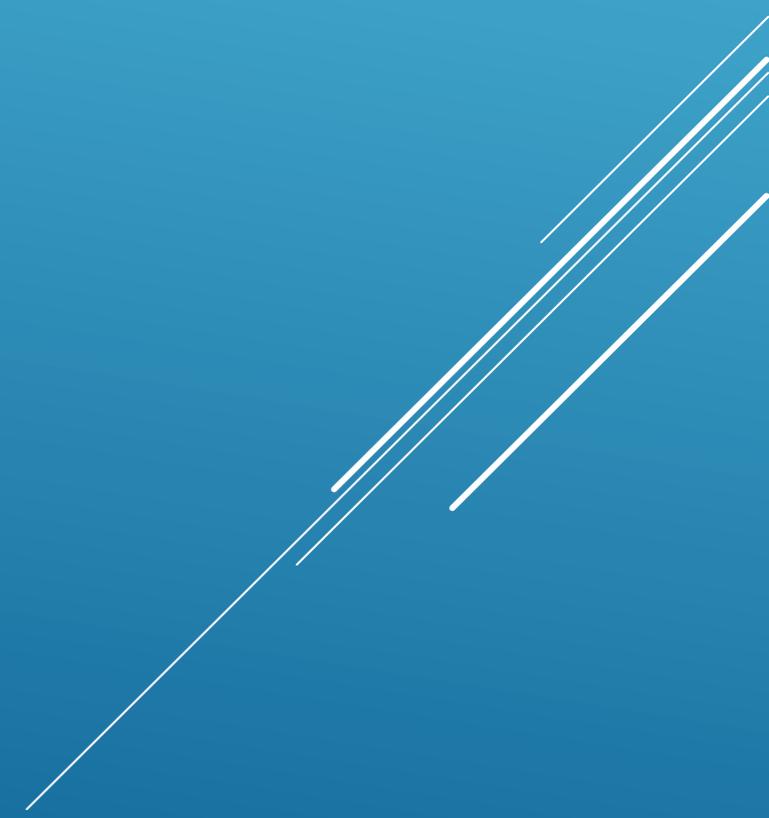
- ▶ **Anchorage Office Building**
- ▶ **C Street Plaza**
- ▶ **Alaska Village Initiatives**
- ▶ **Circa 1980's**
- ▶ **30,000 Sq. Ft.**
- ▶ **Northeast Corner of 16th and C Street**
- ▶ **A number of conservation energy upgrades completed. Next major upgrade Yanmar Micro-Combined Heat and Power System.**

PROJECT DETAIL: SCOPE



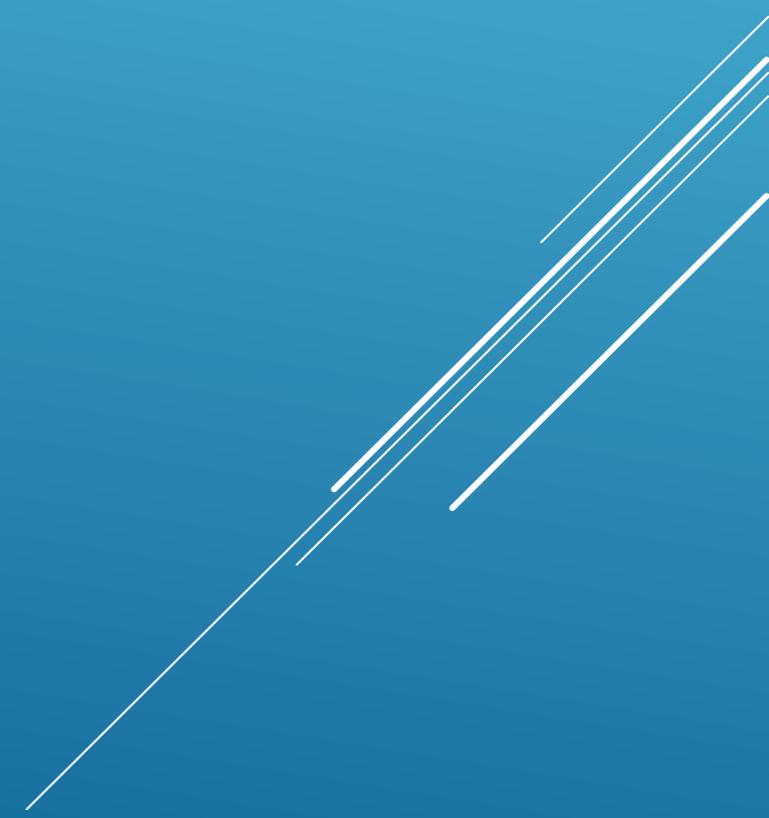
- ▶ Yanmar has completed an engineered proposal to provide the entire heating and power needs of the C Street Plaza with 3.5 year payback.
- ▶ The system includes 100% BlackOut Mode
- ▶ Project Estimate of \$335K with a 15% contingency
- ▶ Average Annual Savings exceed \$60,000

PROJECT DETAIL: STATUS

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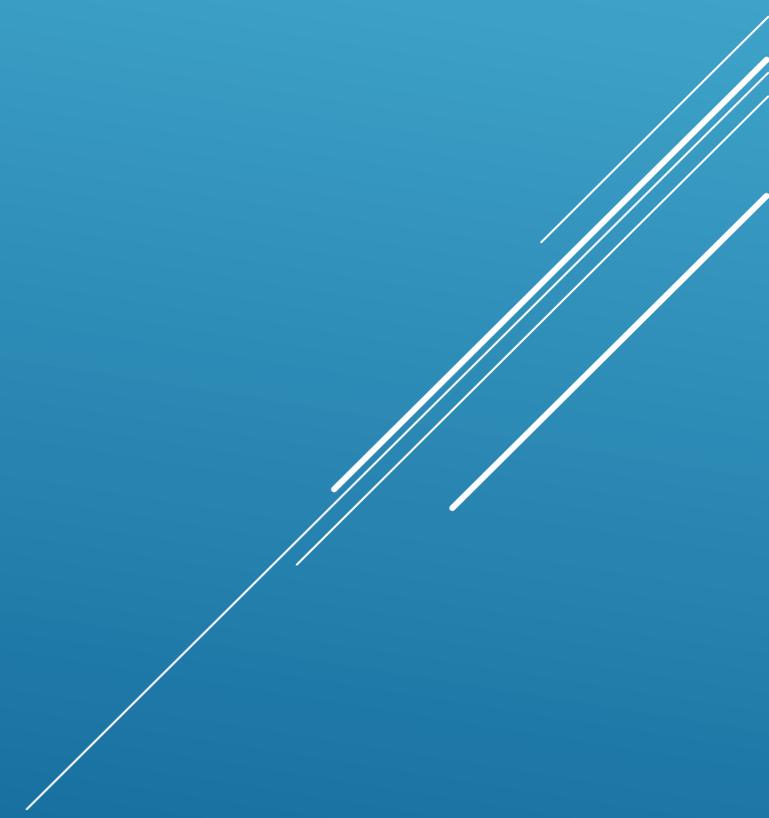
- ▶ **Average Annual Savings exceed \$60,000**
- ▶ **15 Year Cumulative Savings \$917,260**
- ▶ **Installation of two Yanmar 35KW Gas Micro Combined Heat and Power Systems.**
- ▶ **Yanmar is the world's leading manufacturer of Micro Combined Heat and Power Systems.**

PROJECT DETAIL: SAVINGS



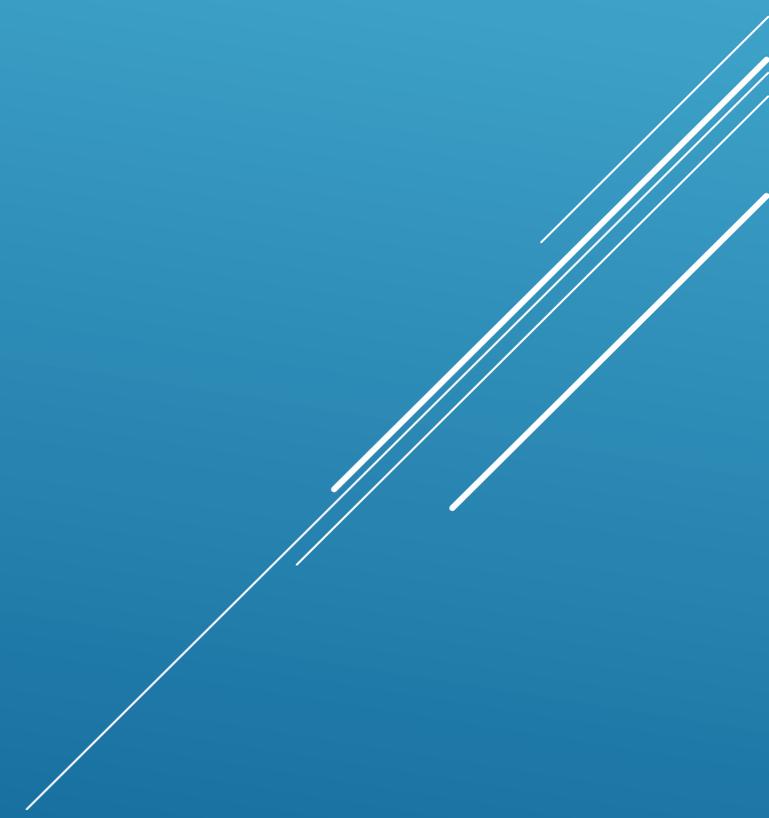
- ▶ **Total estimated project cost**
 - ▶ Equipment, Shipping and Installation \$265K
 - ▶ Five Year Prepaid Warranty & Service \$35K
 - ▶ Contingency of 15% \$35K

PROJECT DETAIL: COSTS



- ▶ **Traditional Financing Models appear to be ill equipped to fully understand and take advantage of this new technology.**

PROJECT DETAIL: PAYMENT



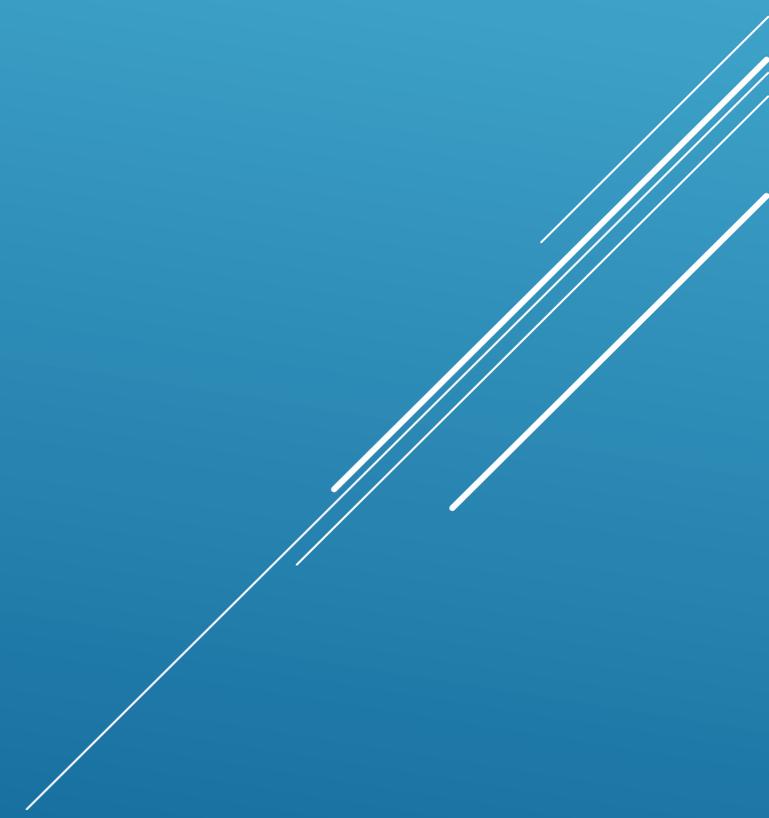
- ▶ **How much available cash do you have in hand to commit to the project?**
 - ▶ **As a non-profit community development corporation, Alaska Village Initiatives has only limited discretionary funds available. It has however not less than \$5 million in equity in the C Street Plaza.**

PROJECT DETAIL: PAYMENT



- ▶ **How much money are you looking for and from where to fully fund this project?**
 - ▶ **Alaska Village Initiatives is seeking \$335K to completely fund the project.**

PROJECT DETAIL: PAYMENT

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- ▶ **List any limiting factors or unanswered questions that need to be resolved**
 - ▶ **What restrictions will ML&P require?**
 - ▶ **What Net Metering Options exist?**
 - ▶ **How soon will it take for the Engineering Community to accept the Yanmar Micro CHP technology that is UL Listed and EPA Certified?**

**PROJECT DETAIL:
QUESTIONS & LIMITATIONS**

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