

- AS 44.42.067 -Alaska Sustainable Energy Act
- Requirement to perform energy efficiency improvements in at least 25% of State public buildings 10,000 square feet or larger, excluding Legislative and Court Buildings by January 1, 2020
- This was achieved in 2014 and DOT&PF is continuing to execute and develop further projects
- Energy Program is within the Division of Facilities Services of the Department



Mt. Edgecumbe High School



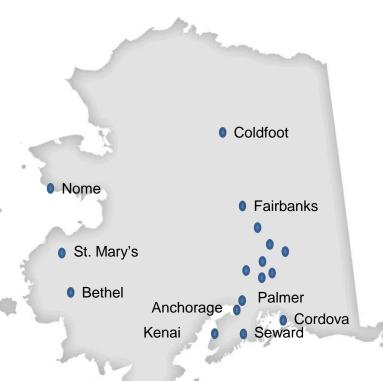
- Provide comprehensive energy efficiency project development, management, implementation and advisement to State and public agencies
- Manage and execute Energy Savings
 Performance Projects to serve our State
 Agencies
- Collaborate with Alaska Housing Finance Corporation, Alaska Energy Authority and other state energy partners to improve statewide energy efficiency







>\$35M in projects through state, federal and financed funding



ANNUAL ENERGY SAVINGS ACHIEVED	
Electricity kWh	> 8,115,000
Natural Gas CCF	> 162,000
Heating Oil Gallons	> 261,000
CO2 Reduction	>10,000 Tons

Juneau

Ketchikan

Sitka

Projects in approx. 70 facilities



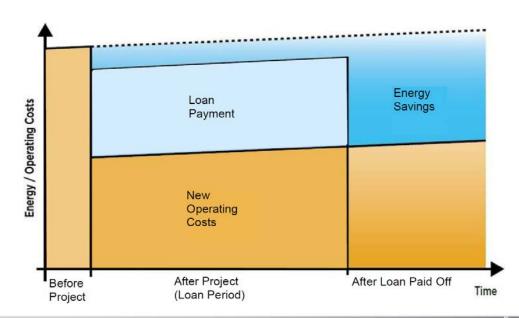
Energy Savings Performance Contracting

- Energy Audits to identify opportunities
- Improvements are funded through available funds, or financed funds
- Financing is repaid from the energy savings of the project
- Energy savings is guaranteed

energy costs energy costs savings fund project Before Project After Project

Ancillary Benefits

- Capital avoidance
- Maintaining/Increasing asset value
- Enhanced capability
- Economic development
- Healthy workplace environment and employee morale



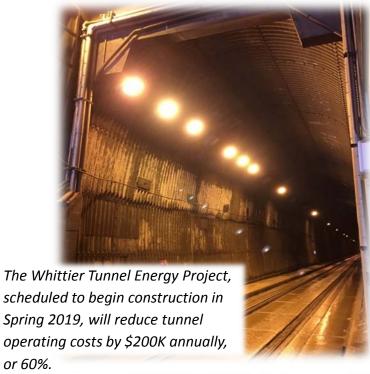
2019 Highlights:

- Anton Anderson Memorial Tunnel –
 Implementation in progress
- DEC Environmental Health Lab Energy Audit in progress
- DOT&PF South Coast Facilities RFP in progress
- DOT&PF Street Lighting Initial scoping in progress

Example Technologies & Opportunities:

- New lighting systems and controls
- High efficiency heating, cogeneration and HVAC systems
- Building envelope upgrades –windows, insulation, etc.
- Renewables solar, wind, biomass





An Effective Program

- Continues to be an existing and effective tool for improving our infrastructure portfolio by:
- Seeking and executing *measurable* efficiency opportunities, and
- Making our infrastructure more efficient, functional, and sustainable to serve our communities

Potential:

 Vast continued potential for state public buildings Government facilities beyond our state facilities



St Mary's Maintenance Shop



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Thank you for your attention and this opportunity.

