

**Aircraft Purchase: Pilatus PC-12NG**

**FY2020 Request: \$9,000,000**

**Reference No: 62514**

**AP/AL:** Appropriation  
**Category:** Public Protection  
**Location:** Statewide  
**Impact House District:** Statewide (HD 1-40)  
**Estimated Project Dates:** 07/01/2019 - 06/30/2024

**Project Type:** Life / Health / Safety  
**House District:** Statewide (HD 1-40)  
**Contact:** Kelly Howell  
**Contact Phone:** (907)269-5591

**Brief Summary and Statement of Need:**

The Department of Public Safety, Alaska Wildlife Troopers Aircraft Section requests a capital appropriation to purchase a Pilatus PC-12NG all-weather aircraft that has built a worldwide reputation for being reliable and highly capable. The addition of a new PC-12NG would provide a higher level of service to Alaskans by having the ability to transport personnel, cargo, and other sensitive items. This would significantly enhance the capability of the Department and also support the Governor's Safer Alaska initiative of better law enforcement service in rural Alaska.

| <b>Funding:</b> | <u>FY2020</u> | <u>FY2021</u> | <u>FY2022</u> | <u>FY2023</u> | <u>FY2024</u> | <u>FY2025</u> | <u>Total</u> |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| 1004 Gen Fund   | \$9,000,000   |               |               |               |               |               | \$9,000,000  |
| <b>Total:</b>   | \$9,000,000   | \$0           | \$0           | \$0           | \$0           | \$0           | \$9,000,000  |

|   |  |                                       |   |                                   |
|---|--|---------------------------------------|---|-----------------------------------|
| <input type="checkbox"/> State Match Required | <input checked="" type="checkbox"/> One-Time Project | <input type="checkbox"/> Phased - new | <input type="checkbox"/> Phased - underway  | <input type="checkbox"/> On-Going |
| 0% = Minimum State Match % Required           |  | <input type="checkbox"/> Amendment    | <input type="checkbox"/> Mental Health Bill |                                   |

**Operating & Maintenance Costs:**

|                      | <u>Amount</u> | <u>Staff</u> |
|----------------------|---------------|--------------|
| Project Development: | 0             | 0            |
| Ongoing Operating:   | 0             | 0            |
| One-Time Startup:    | 0             | 0            |
| <b>Totals:</b>       | <b>0</b>      | <b>0</b>     |

**Prior Funding History / Additional Information:**

**Project Description/Justification:**

The Department of Public Safety, Alaska Wildlife Troopers Aircraft Section requests a capital appropriation to purchase a Pilatus PC-12NG aircraft. The addition of a new PC-12NG would provide the department a broader level of service to Alaskan citizens by having the ability to transport personnel, cargo, and other sensitive items. This would significantly enhance the capability of the Department and also support the Governor's Safer Alaska initiative of better law enforcement service in rural Alaska.

The Pilatus PC-12NG is a world renowned single engine turbine powered all weather aircraft that has built a worldwide reputation for being a reliable and significantly capable workhorse. This aircraft is utilized across the globe to transport passengers and cargo to remote areas. This airframe has proven itself particularly useful in the demanding Alaskan environment. The highest time PC-12 pilot operation in the world is based in Anchorage. With the sale of the aging DPS King Air 200 in 2016, the Department lost the capability to respond to approximately 124 airports across the state which have both paved and gravel runways. This approximately 67% reduction

significantly diminished our ability to respond to emergent and urgent Public Safety responsibilities and obligations. The use of scheduled air carriers and charters has proven not to be always reliable with flights often not being available due to other prior planned for revenue flights.

The addition of a new PC-12 NG, maintenance plan, and operators (two pilots) would return the remote response capability to the department. This aircraft has great potential for our department considering the performance capabilities, the large cargo door, and the ability to convert the interior for transportation of passengers, cargo, or a combination of both. The Pilatus PC-12NG would actually be able to provide a broader level of service to Alaskan citizens than was observed with the King Air 200 or other similar turbine powered all weather twin engine aircraft. The ability to transport personnel, cargo, and other sensitive items would significantly enhance the capability of the Department of Public Safety and would support the Governors Safe Alaska initiative of better law enforcement service in rural Alaska.

The Pilatus PC-12 NG offers the following levels of performance:

Take-Off Distance at maximum take-off weight: 2600 Ft.

Landing Distance at maximum landing weight: 2170 Ft.

Maximum Altitude: 30,000 Ft. (Above the weather and comparable to King Air)

Maximum Cruise Speed: 285 Kts (Only slightly less than the King Air)

Maximum Payload: 2,257 lbs. (with range allowing you to reach Nome, Kotzebue, Bethel, and nearly Ketchikan. Range significantly increases with less payload).

Price Point New: Approximately 4.5 M

Average Price for Previously Owned PC-12NG (2014-2008 model year) (range from 300 to over 4000 hours on the airframe): 4.2-3.1 M

Estimated Maintenance Program Cost: \$285 per flight hour (Est.) (King Air is \$420 PFH) Fuel: \$225 Per Flight Hour (66gal/hr@ \$3.40 gal) (King Air is approx. \$400 PFG)

Annual Hangar Space: \$30,000 (Est.)

Base Cost of Each Operator {Pilot 11}: \$125,000 (pay and benefits)

Two additional pilots needed to operate aircraft (\$125,000 X2= \$250,000)