2018 CDC Hurricane Recovery & Enhanced Capacity Grant
(Piper PA31-350)

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The Grant

• Following several named storms prior to 2018 and countless discussions how best to assist mosquito control programs post named events.

• A CDC committee of key stakeholders developed a granting process focused on recovery & enhanced operational capacity.

• Louisiana Department of Health (LDH) Office of Public Health (OPH) submitted proposals and were awarded $4.2 million dollars for the state of Louisiana.
The Need...

- Control programs that routinely conducted aerial operations were examined for their operational capabilities and “exposure”.

- Larger programs, “exposed” were fully capable with in-house aircraft, while others addressed their needs with contract services.

- Iberia & Vermilion were exposed and totally dependent on contract services.

- Subsequently, a proposal was approved for $970,000 of grant funds to support the lease / purchase of an aerial asset to be shared by Iberia & Vermilion mosquito control districts.
Programs that routinely conduct aerial operations.
(yellow & purple)
Our Plan

• General Proposal
  • Acquire an aircraft suitable to service both parishes for solitary any night spray operations or joint same night spray operations with reliability, safety and longevity.

• Specific Goals
  • Demonstrate operational cost savings, enhanced efficacy, and increased capabilities.
  • Demonstrate cooperative relationship related to shared use, maintenance, insurance, refurbishments, etc.
  • Demonstrate responsiveness and self-sufficient capabilities post disaster event.
Program Impacts

• Based on average aerial acres (454,879 ac.) for the past 5 years, we anticipated contract costs ($295,671) to exceed current budget appropriations of $250,000.

• This is true for both programs. Vermilion (403,823 ac.) average acres with current contract costs of ($242,294) will also exceed budget appropriations of $135,000.

• In-house aircraft services will markedly reduce aerial expenses, eliminate contract minimums, increase efficiencies and reduce “missed” applications.
Program Highlights

• Aircraft operating cost calculators confirmed our projections especially, when compared to FEMA reimbursement rates for the identical aircraft. Additionally, our projections were ultra conservative.

• Fixed costs will be shared, while each entity will be responsible for their variable costs.

• Lease / purchase terms will produce a nearly new aircraft when the Parishes’ take possession.
In House v. Contract

Current Aerial Budget

- In-House: $250,000
- Contract: $152,200

Anticipated Contract Costs

- In-House: $76,100
- Contract: $295,671
Cost Factors

- Annual Fixed Costs
  - Insurance
  - Licensure (FAA / LDAF)
  - Pilot compensation
  - Training (Proficiency)

- Annual Variable Costs
  - Fuel cost (150 hours)
  - Airframe maintenance
  - Engine / APU maintenance
  - Aircraft (consumables)
Logistics

- Cost benefit analysis. (State & Districts)
- Approval & adoption of budget adjustments. (BOC & VPPJ)
- Development of BID specification. (public procurement)
- Draft and approve lease purchase agreement.
- Develop CEA between Iberia & Vermilion. (execute at end of lease terms)
- Draft & approve CEA with Districts & LDH. (reimbursement piece)