

WORK PLAN/FINANCIAL PLAN

Cooperator: Port of Seattle, SeaTac International Airport

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Cooperative Service Agreement No.:19-73-53-5080-RA

WBS Code: AP.RA.RX53.73.0645

FMMI Shorthand Code: 9XWSWR5353REIMBURRX53730645

Location: SeaTac International Airport, SeaTac, WA

Dates: January 1, 2019 – December 31, 2019

In accordance with the Cooperative Service Agreement between the Port of Seattle, Sea-Tac International Airport (SEA) and the United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), Wildlife Services (WS), this Work Plan sets forth the objectives, activities and budget of the wildlife control activities for the period of January 1, 2019 through December 31, 2019.

Program Objective/Goals

Wildlife Services' objective is to assist SEA with reducing human health and safety risks associated with potential wildlife/aircraft collisions. Assistance may be in the form of educational information, non-lethal techniques or direct control. If direct control is necessary, the most effective and safe tools and techniques available will be utilized. Although Wildlife Services agrees to assist SEA with wildlife control as available, the overall responsibility for controlling wildlife remains with SEA.

The specific goal is to minimize wildlife strike hazards to aircraft by providing a wildlife hazard management program at SEA. APHIS-WS personnel will coordinate with the SEA Wildlife Biologist and staff with regards to surveys and direct control operations. WS will also inform the SEA Wildlife Biologist with regards to all wildlife related hazards seen at the airport, and recommended mitigation strategies.

Plan of Action

The objectives of the wildlife hazard management program will be accomplished in the following manner:

1. APHIS-WS will assign two or three Qualified Airport Wildlife Biologists to SEA for a total of 80 hours per week for the duration of this Work/Financial Plan, excluding holidays. Scheduling may vary to include shift overlap, weekends, or night operations

depending upon seasonal variation in wildlife activity, or specific project needs and availability.

2. APHIS-WS will be responsible for providing wildlife hazard management activities at SEA, including bird and mammal trapping. APHIS-WS will coordinate the transfer of all raptors to a certified bander, designated by SEA, for banding and relocation. The transport of raptors will be the responsibility of the SEA-designated bander.
3. APHIS-WS will respond to urgent wildlife issues during normally scheduled coverage, and may assist with domestic animal escapes if necessary particularly if they are on the airfield.
4. APHIS-WS will utilize trapping methods or the application of pesticides to manage burrowing pests that threaten man-made dams and levees on SEA property.
5. Wildlife hazard management will be accomplished using some or all of the following methods:
 - Egg addling/nest destruction
 - Toxicants (DRC-1339, Fumigants) Static Deterrents
 - Padded Leg hold traps Firearms: shotgun & rifle
 - Conibear traps Air Net Cannon
 - Pyrotechnic Hazing Various bird/raptor traps

Additional methods may be included as situations arise, subject to the approval of SEA and APHIS-WS.

6. APHIS-WS will provide off-site hazard management activities if time permits and agreements can be established with WS.
7. APHIS-WS will continue to provide assistance with the Wetland Mitigation monitoring efforts.
8. APHIS-WS will respond to bird strike incidents and will assist SEA with the collection of wildlife strike remains, species identification, shipment to the Smithsonian, and entry into the FAA National Wildlife Strike Database. APHIS-WS will provide strike data to the SEA Wildlife Biologist, and will assist with training in the use of, distributing, and collecting SEA Wildlife Strike Reporting Kits. APHIS-WS will not be responsible for following up on data collection errors, or ensuring that SEA personnel or airlines are entering data appropriately or in a timely manner, as this will remain the responsibility of SEA. The management of this data will also remain the responsibility of SEA.
9. SEA Operations Officers, trained in Wildlife Deterrence at Airports, will provide wildlife hazard management coverage during those times when APHIS-WS is not scheduled, or when extenuating circumstances (e.g., mandatory trainings, annual or sick leave) preclude APHIS-WS' presence.
10. APHIS-WS will no longer maintain or analyze avian radar data and will not be involved

in any aspect of the avian radar implementation at SEA. This will remain the responsibility of the SEA Wildlife Biologist. APHIS-WS will however respond to alerts that either the Avian radar or the FOD detection equipment may receive involving wildlife.

11. APHIS-WS will no longer conduct data management activities for SEA. APHIS-WS will make all reports available, in excel format, to the SEA Biologist. APHIS-WS will be responsible for verifying and correcting errors before submitting the data to SEA.
12. APHIS-WS will provide wildlife deterrent training and field supervision. All APHIS-WS personnel will be proficient in wildlife deterrent techniques and methodologies, and will keep records of daily wildlife hazard management activities in a shared database, or will provide monthly reports to the SEA Wildlife Biologist. APHIS-WS will provide briefings of activities and any recommendations to the Airport Operations Manager (or his/her designate) on a weekly or “as requested” basis. APHIS-WS will provide SEA a summary of all activities on or before January 31. APHIS-WS personnel will be self-activated in response efforts, but will coordinate all field activities with the SEA Wildlife Biologist and/or Airport Operations. APHIS-WS personnel shall deploy, maintain, and/or remove all necessary field equipment.
13. SEA will provide training and briefings for APHIS-WS personnel to insure APHIS-WS compliance with the standard operating procedures at SEA. SEA will provide an adequate indoor area for APHIS-WS “shift change” briefings, data entry, bulletins, firearm and pyrotechnic storage, and space for trap construction and maintenance. SEA will provide a secure area on-site to park APHIS-WS’ vehicle(s) assigned to the SEA project.
14. SEA will be responsible for providing access to all areas where control activities are requested as well as training for accessing the ramp and air movement areas as authorized by SEA.
15. APHIS-WS will provide their employees with FAA and SEA-approved vehicle mounted radios for maintaining contact with ramp control and the SEA Wildlife Biologist. SEA will give APHIS-WS operational access on SEA-assigned radio frequencies for communication with the appropriate entities which may include, but not limited to, operations, maintenance, law enforcement, natural resources, and/or air traffic control with the following conditions:
 - APHIS-WS may use agency radio equipment to satisfy cooperative operational requirements.
 - APHIS-WS will utilize SEA radio equipment in accordance with SEA guidance.
 - APHIS-WS will follow proper radio procedures at all times.
 - APHIS-WS will operate within the radio frequency assignment parameters.
16. APHIS-WS will provide vehicles and vehicle maintenance, and the necessary field equipment, including firearms, and will operate such items in a fashion consistent with established SEA procedures. APHIS-WS will provide all supplies (e.g., ammunition, pyrotechnics, etc.) necessary for wildlife hazard management activities. APHIS-WS

will also provide their own computer and database for program data entry.

17. As part of daily field activities, APHIS-WS will document wildlife hazards, wildlife abundance, wildlife movement patterns and attractive habitat. APHIS-WS will make an effort to evaluate habitat changes as a means of controlling bird numbers on and around the airfield, and will work with SEA to implement changes as necessary.
18. Data collected by APHIS-WS in 2018 will be analyzed, and a Wildlife Hazard Assessment (WHA) will be provided no later than December 31, 2019. The WHA will summarize hazards and include mitigation recommendations to the Port of Seattle.
19. The APHIS-WS District Office in Poulsbo, 360-337-2778, will supervise this project. It will be monitored by Mike Linnell, State Director, Olympia, WA, 360-753-9884.
20. APHIS-WS will cooperate with the Washington Department of Fish and Wildlife, the U.S. Fish and Wildlife Service, county and local city governments and other entities to ensure compliance with Federal, and applicable state and local laws and regulations. If APHIS-WS will be working under the SEA migratory bird permit, APHIS-WS will have all applicable data required for permit reporting to the SEA Wildlife Biologist no later than January 10, 2020.
21. SEA will be billed quarterly by APHIS-WS only for expenses shown in the Financial Plan and will not exceed the Agreement Total. Personnel Compensation is defined as salary for all hours worked, benefits, differentials, hazardous duty allowances, annual leave, sick leave and awards. The financial point of contact for this Work Plan/Financial Plan is Roberta Bushman, Administrative Officer, (360) 753-9884.

FINANCIAL PLAN

This financial plan is for the disbursement of funds from **Port of Seattle, SEATAC Airport** to the **USDA APHIS Wildlife Services** for the purpose of a Wildlife Hazard Management Program conducted for the period of 1/1/2019 to 12/31/2019.

Cost Element	Full Cost	
Personnel Compensation	\$	207,260.00
Travel	\$	2,500.00
Vehicles	\$	18,200.00
Supplies and Materials	\$	2,500.00
Equipment	\$	-
Subtotal (Direct Charges)	\$	230,460.00
Pooled Job Costs	11.00%	\$ 25,350.60
Indirect Costs	16.15%	\$ 37,219.29
Aviation Flat Rate Collection		\$ -
Agreement Total	\$	293,029.89

The distribution of the budget from this Financial Plan may vary as necessary to accomplish the purpose of this agreement, but may not exceed: **\$293,029.89**

Mailing:

PORT OF SEATTLE
SEATTLE-TACOMA INTERNATIONAL AIRPORT
P.O. BOX 68727
SEATAC, WA 98168-0727

Billing:

Same

Lance Lyttle, Managing Director Aviation Division

Date

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
WILDLIFE SERVICES

Mike Linnell, State Director, WA/AK

Date

Jason Suckow, Director, Western Region

Date