

Japonski Island Boathouse Heat Pump

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| Grantees | City and Borough of Sitka (Local Government) |
| Technology Type | HEAT PUMPS |
| Region | Southeast |
| AEDG Project Code | 10331 |

REF Grants Received

| Round | App | Grant Title | Grant # | AEA Project # | Phase | Start Date | End Date | Status |
|-------|-----|-------------------------------------|---------|---------------|--------------|------------|----------|--------|
| 4 | 705 | Japonski Island Boathouse Heat Pump | 7040001 | 406015 | Construction | 7/1/11 | 12/31/14 | Closed |

Grant 7040001: Japonski Island Boathouse Heat Pump

Project Scope: The City and Borough of Sitka will use the Renewable Energy Fund, Round IV, grant to design and construct a hybrid ground source heat pump (GSHP) to serve the heating needs at the City and Borough of Sitka's Japonski Island Boathouse Historical Rehabilitation Project.

The Japonski Island Boathouse Heat Pump project hybrid system will consist of a ground source heat pump system that will meet approximately 81% of the facility's heating needs, with a supplemental electric heat system to make up the difference during periods when the facility's heat loads exceed the capacity of the ground source heat pump system.

The Renewable Energy Grant is for the additional design and construction costs for the hybrid ground source heat pump system. The grant funding is only for the costs associated with the ground source heat pump system portion of the hybrid system; the costs associated with the supplemental boiler and water heater are excluded from this grant. The large open work bay, which will have only a fabric curtain over the opening, will be heated as needed with a waste oil burner, since the heat pump system would have to be dramatically increased in size, for what would be a very intermittent load.

Project Status: The grantee was unable to provide the committed match and agreed to forfeit the grant. The grant has been closed out.