

Electric Ferries in the San Juans

OPALCO

White Paper
January 2019

| Vessel Assignments | | 2020 | | 2030 | | 2040 | |
|-------------------------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| Seattle/Bremerton | | | | | | | |
| Winter Only | | 144 | 144 | 144 | 144 | 144 | 144 |
| Summer Only | 144 | 188 | 144 | 188 | 144 | 202 | |
| Seattle/Bainbridge | | | | | | | |
| | 202 | 202 | 202 | 202 | 202 | 202 | |
| Fauntleroy/Vashon/Southworth | | | | | | | |
| | 124 | 124 | 124 | 124 | 124 | 124 | |
| | | 124 | | 124 | | 124 | |
| Pt. Defiance/Tahlequah | | | | | | | |
| | 64 | | 64 | | 64 | | |
| Edmonds/Kingston | | | | | | | |
| | 202 | 188 | 202 | 188 | 144 | 144 | |
| | | | | | 144 | | |
| Mukilteo/Clinton | | | | | | | |
| Winter Only | | 124 | | 144 | 144 | 144 | 144 |
| Summer Only | 144 | 144 | 144 | 144 | 144 | 144 | |
| Port Townsend/Couville | | | | | | | |
| | 64 | | 64 | | 64 | | |
| Summer Only | 64 | | 64 | | 64 | | |
| Anacortes/San Juan Islands | | | | | | | |
| | 144 | 144 | 144 | 144 | 144 | 144 | |
| | 90 | 144 | 90 | 144 | 144 | 114 | |
| Summer Only | 124 | | 124 | | 144 | | |
| Total Service Vessels | | 19 Summer / 17 Winter | | 19 Summer / 17 Winter | | 20 Summer / 18 Winter | |
| Relief Vessels | | | | | | | |
| | 144 | 124 | 144 | 144 | 144 | 144 | 144 |
| | | 87 | 124 | 124 | 124 | 144 | 124 |
| Summer Only | | | | 144 | | | |
| Winter Only | 188 | 64 | 188 | 124 | 64 | 202 | 64 |
| Total Relief | | 3 Summer / 5 Winter | | 6 Summer / 8 Winter | | 6 Summer / 8 Winter | |
| Total Fleet Size | | 22 | | 25 | | 26 | |

OPALCO advocates for accelerating electric hybrid ferry for the San Juan routes and to electrify the Orcas, Friday Harbor, and Anacortes ferry landings to optimize ferry charging.

- Reduces overall project risk by starting small to develop project best practices*
- Highlights environmental benefits of electric ferries in the heart of Orca country*
- Partnering with OPALCO to innovate the full range of potential in such an important project.*