

Guemes Ferry Replacement Project Timeline

Rachel Rowe, Ferry Operations Division Manager

Skagit County Public Works Department

15 February 2017

2012 – FERRY REPLACEMENT DISCUSSION RAMPS UP

December, 2012: BCC adopts Guemes Island Ferry 14-Year Ferry Capital Improvement Plan.

- Replacement year of 2020 is included.
- Vessel replacement value listed at \$20million.

2013 – SKAGIT COUNTY RESEARCHES VESSEL REPLACEMENT SCENARIOS

April, 2013: Skagit County hires Elliott Bay Design Group to conduct a replacement study that looks at 3 different replacement scenarios (and the total ownership cost of each) in order to determine the most economic replacement scenario.

Replacement Option	Total Ownership Cost
Option A: Immediate vessel replacement	\$19.54 million
Option B: Delay vessel replacement for 10 years	\$21.50 million
Option C: Delay vessel replacement for 18 years	\$26.74 million

November, 2013: Elliott Bay Design Group releases the M/V GUEMES Ferry Replacement Plan.

- The report concludes that immediate or near-term replacement of the M/V GUEMES with a new vessel will minimize the overall cost of ownership and provide environmental improvements in operation.

2014 – ALL-ELECTRIC FERRY CONCEPT INTRODUCED

March, 2014: Skagit County Public Works is first contacted by EESImarine with an all-electric ferry concept for a potential replacement vessel.

November, 2014: EESImarine requests a formal meeting with Skagit County to present the all-electric technology and introduce a potential funding mechanism through the Department of Commerce.

2015 – SKAGIT COUNTY RESEARCHES ELECTRIC TECHNOLOGY FOR VESSEL REPLACEMENT

January, 2015: EESImarine and team of naval architects, battery systems manufacturers and electric propulsion manufacturers meet with Public Works to present the “EZEferry,” an all-electric, zero-emissions ferry.

- Brian Young, Clean Energy Sector Lead, Washington State Department of Commerce, introduces a potential funding mechanism through the Department. They are trying to generate interest in clean energy projects.

May, 2015: The world’s first all-electric vehicle and passenger ferry, the “Ampere,” enters service in Norway. It is powered solely by battery packs, and it is completely free of emissions.

September, 2015: EESImarine gives the “EZEferry” presentation to the Pacific Northwest Section of SNAME (Society of Naval Architects and Marine Engineers).

- The presentation is well-received, and after this meeting, interest in the all-electric ferry concept grows.

October, 2015: The Guemes Island Ferry Committee asks the EESImarine team to give the “EZEferry” presentation at their quarterly meeting on Guemes Island.

December, 2015: EESImarine & Art Anderson Associates give an informational presentation to the Board of Skagit County Commissioners on the all-electric ferry concept, the “EZEferry.”

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- At the presentation, the Washington State Department of Commerce encourages Skagit County to apply for funding through the Clean Energy Fund 2.

Board of Skagit County Commissioners signs a resolution (R20150428) directing Public Works to conduct an all-electric feasibility analysis and pursue funding for vessel replacement.

2016 – VESSEL REPLACEMENT PLANNING BEGINS

January, 2016: Skagit County Public Works tasks Art Anderson Associates (on-call naval architecture and marine engineering firm) to conduct a propulsion/power feasibility study for all-electric propulsion for the Guemes Island Ferry route.

February, 2016: Skagit County applies for, and is denied eligibility, for the Washington State Department of Commerce Clean Energy Fund 2.

Ockerman Automation Consultants, in Anacortes, WA, and Siemens Industry reach out to Skagit County to introduce their companies and provide Skagit County with information on the “Ampere” ferry project in Norway.

- Skagit County requests an informational presentation be given to the Board of Skagit County Commissioners for the purpose of discussing all-electric technology and the “Ampere.”

June, 2016: Art Anderson Associates present the final Propulsion & Power Study to the Board of Skagit County Commissioners.

- The study concludes that, based on power requirements, all-electric propulsion is highly feasible, and should be considered, for the Guemes Island Ferry route.

Ockerman Automation Consultants and Siemens Industry present their concept of an all-electric ferry to the Board of Skagit County Commissioners.

- In attendance were Guemes Islanders, ferry crew, representatives from PSE, Congressman Rick Larsen’s office, Senator Maria Cantwell’s office, and Lee Stole, reporter from KOMO-NEWS, who aired a television story about the all-electric ferry concept.

December, 2016: Skagit County Board of Commissioners adopts the 2017 Skagit County budget which includes \$165,000 for the Guemes Ferry Vessel Replacement Design Study.

2017– DESIGN STUDY, PRELIM. DESIGN & AGGRESSIVE SEARCH FOR GRANT FUNDING

February 16, 2017: Skagit County will issue a Request for Qualifications for naval architecture and marine engineering services for the Skagit County Guemes Ferry Replacement Project, Project #ESMVGUEMES.

March 9, 2017: Statements of Qualifications are due.

April, 2017: Skagit County will select a Naval Architecture Firm.

2018– PROJECTED DESIGN, PREPARATION OF PS&E & CALL FOR BIDS FOR CONSTRUCTION

2019– PROJECTED VESSEL CONSTRUCTION

2020 – PROJECTED YEAR NEW VESSEL ENTERS SERVICE