



WASHINGTON STATE FERRIES Electrification Program

SE Alaska Conference Matt Von Ruden, Program Administrator

Feb. 1, 2023

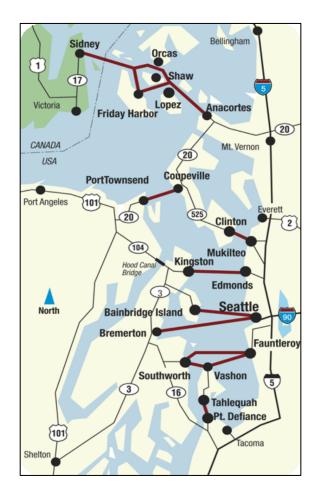


DRAFT: 1/25/23

Briefing Topics

- Feb. 1: Decision-making
 - WSF Organization
 - Planning
 - Policy decisions
 - Funding
- Feb. 2: Implementation
 - WSF System
 - Rationale for hybrid vessels
 - Implementation





Our Ferry System

Largest ferry system in the United States



21 auto-passenger ferries



10 routes serving 20 terminals



23.9 million riders in 2019



10.5 million vehicles in 2019



450 sailings per day



1,800 employees



WSF Structure

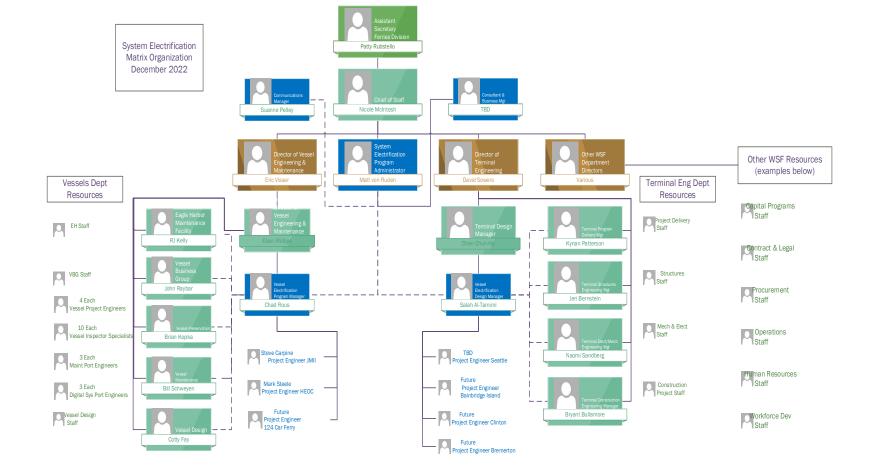
Ferries Division of WSDOT

- Patty Rubstello, Assistant Secretary
- Nicole McIntosh, Chief of Staff
- Executive Team comprised of:
 - Marine Operations (1,200 deck and terminal crew)
 - Vessel Engineering and Maintenance (400 engine crew)
 - Terminal Engineering
 - Finance and Administration
 - Planning, Customer and Govt.
 Relations
 - Communications
 - Safety Systems and Training
 - Human Resources
 - IT

Electrification Program

- Matt Von Ruden, Administrator
- Matrixed organization with WSF and consultant staff to address:
 - Vessel electrification
 - Conversions
 - New vessels
 - Terminal electrification
 - Program administration
 - Communications







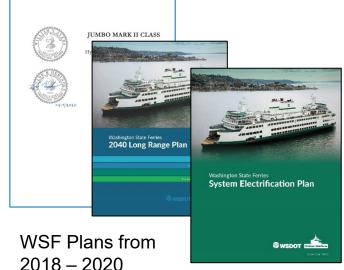
Launch of WSF Electrification Program



RCW 70A.45.050 – Greenhouse gas emission limits for state agencies (2020)

| Beer w | |
|--|---|
| STATE OF MARKING | CTORE . |
| OFFICE OF THE C | |
| | |
| ENTING | |
| 300 FLINDS DESIDE | 44 KS KT |
| RECOVERY AN | Same a |
| | ETTER OF A SPECTOR |
| WHEREN, out an earlier Gile Wine, | CFF CE OF THE SOVERNOR N. Rev 1927 - Day as the hole of the Soveral State of the Soveral Stat |
| Speak our Walking Recard Carey Scientific Paris | |
| WHEREAS, Southern Jewissinna, suscepting | KOLETTISP DRUKA VED |
| works, particular 715, Technicated Statics Acta | STATE LITTCH SUV AND |
| WHERRAS, In an dates of builty a Smith | INVERSENTATI, PERFORMANCE |
| to take wind it to been used and builter | WITER AS for which represent the rest of the rest representation are required. |
| sakes about this failure y testamentees. | many inclusion of up such the animalies and as a set of the such |
| 763.3 | chine ("mind rescuent |
| WIIERRAS, COntar Residences minut | WHEREAS implementation of agring makes for a conversion of the block and he block in many encountration prover and one are even from the evelopment of the block agring set. |
| to the acceleration of the same, and we shift | characteristics in the second second representation of the second s |
| obsectations waveled and activity of the | cinkazar. |
| WHEREAS, Sadaen Jent, in sold spation | WHERE An earling around 1 poly from succed by the forming of level found is with inclusion |
| Wish non-slane | and vehicle), and refine make indiverse polarizers and the rate of diargeness residents me generated area associate per vision of all the activities i with the other on the set that the particularly the the |
| WHEREAS, budge of Swide to face without | a condition in the second s |
| and a permittantial to be a series and | WHERE As any ensure of a construction of encourse of encourse |
| Sablegent | saves has Weigender, a constant terminal statistical statistical statistical endowing the statistical data. |
| | te regeven energy activity, we reach the property of the version with the long contracting and perturbin the contraction energy and by the contraction activity are store with the set (). |
| WHEREAS, Statistic Total are not that here of the cost that the non-that is the interact states | concerny assesses all educations in the areas |
| station in a Number of she they are state | WHERE An indexed in the standard or over care specific (Sec. 4), const. |
| oost search Lena Washington and Google at G | We does not you a supervision of the relation of the relation with an on personal of |
| WIERKAS, to own an issue braue Sol | preside to-de, fatting attact-chivagi nets even white a capite, see wate, capite to retrictly find as at rail redences year net its rails, which is, reason |
| WHEREAS, EXERTIMAY BEEN INTER SAU Characteria antipation contact ratio and CO. | concerta concreta da concerta de la congesta con concerta concerta concerta concerta concerta concerta concerta Concerta concerta concert |
| Swith of Schliet's Tax Jans and Chiley's of re- | shafir such calify incominance gates terms a |
| adare bried addition for a mini- | WHEREAS the stars the device permanent promotion restard in the set Court |
| where a subscription of the second second | Cycle based an extended block danaf i a Farla B. 27, 29 GPS provide i a stata Criticia e e |
| yeputation are devised, impacted by second pa- change denotes electronizations and examples | edu ter fini s, 2017. († 19. juni, sens fan dit er send fiers ar fiziking, ar 12017.) Is 20. fan digen ter fizikate oan waars fift date britist, ar f |
| | WHERE WE Washington that work to dd with reverse revert as contonal towards many- |
| | offering and sub-elementary solutions and elements of the rest of the solutions |
| | generation, for encodedity which precipitives all stands all stands (Colors and SCCC) and over the definement of the |
| | L'ENTRY ALL |

Governor Inslee's Executive Orders 2018-01 and 2020-01





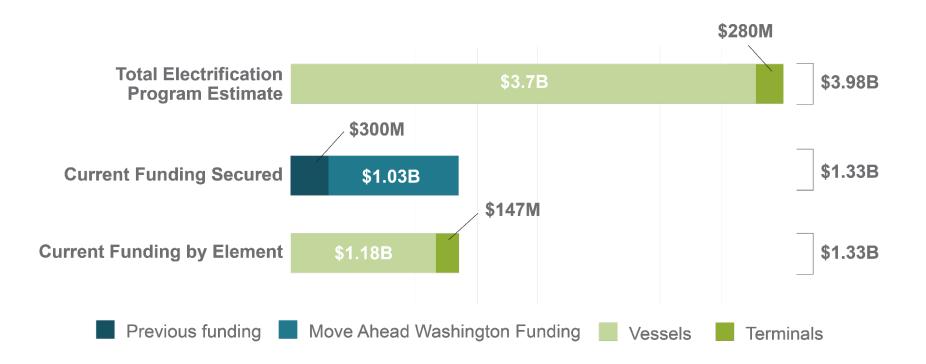
Funding

- With the passage of the 2022 Move Ahead Washington transportation package, the program received \$1.03 billion
- With \$1.33 billion secured to date, the program has funded the following elements:
 - ✓ 5 hybrid electric Olympic Class vessels
 - \checkmark Up to 4 vessel conversions
 - Central Puget Sound terminal electrification





Funding





Questions?





Matt Von Ruden Administrator, System Electrification Program Washington State Ferries Matt.VonRuden@wsdot.wa.gov

