



WASHINGTON STATE FERRIES Electrification Program

SE Alaska Conference Matt Von Ruden, Program Administrator

Feb. 1, 2023

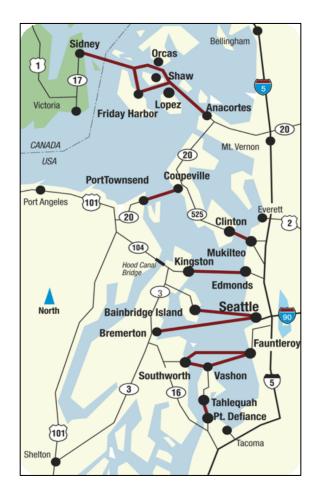


DRAFT: 1/25/23

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

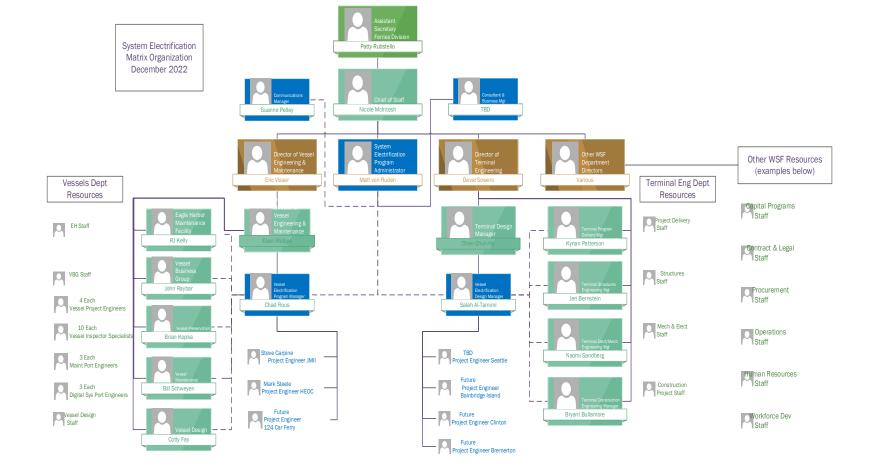
Ferries Division of WSDOT

- 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







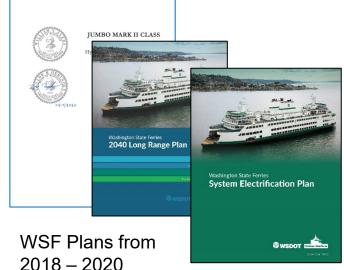
Launch of WSF Electrification Program



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





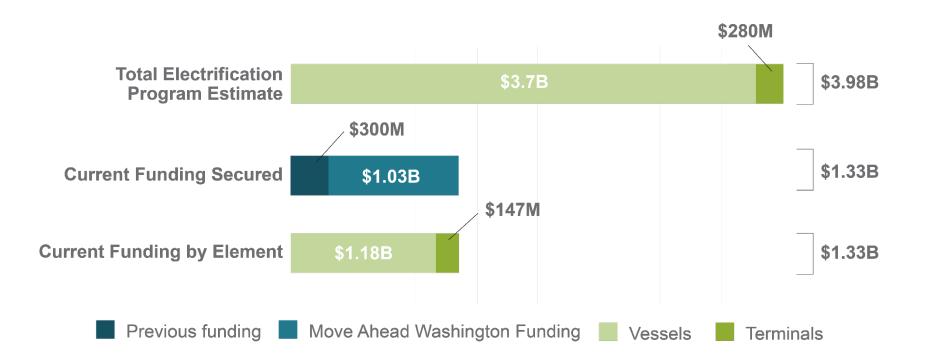
Funding

- 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

