



**BUSINESS OF THE CITY COUNCIL
CITY OF MERCER ISLAND**

**AB 5677
April 7, 2020
Consent Calendar**

AGENDA BILL INFORMATION

TITLE:	AB 5677: Authorize Grant Application to replace Marine Patrol Boat #11	<input type="checkbox"/> Discussion Only
RECOMMENDED ACTION:	Authorize the City Manager to sign grant application.	<input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution

DEPARTMENT:	Police
STAFF:	Dave Jokinen, Police Commander
COUNCIL LIAISON:	n/a
EXHIBITS:	n/a
CITY COUNCIL PRIORITY:	n/a

AMOUNT OF EXPENDITURE	\$ 125,000
AMOUNT BUDGETED	\$ n/a
APPROPRIATION REQUIRED	\$ n/a

SUMMARY

GRANT OPPORTUNITY

The Department of Homeland Security recently opened its Port Security Grant Program for applications. The Mercer Island Police Department Marine Patrol Unit partners extensively with the United States Coast Guard Sector Puget Sound, which is a primary agency within the Department of Homeland Security, and was encouraged to apply for the Port Security Grant Program (“PSGP”) for replacement of its oldest patrol vessel known as Patrol 11.

The estimated cost to replace Patrol 11 is \$500,000. If awarded the grant, PSPG requires a 25% match (\$125,000) from the receiving agency. Patrol 11 is part of the City’s Fleet and is accounted for in the Equipment Rental Fund. Annual contributions are made by the Marine Patrol Unit to the Equipment Rental Fund for the vessels future replacement through budgeted fleet rates. Contributions to date for the future replacement of Patrol 11 total \$127,000. These funds are held in reserve in the Equipment Rental fund and are enough to meet the 25% match requirement. The replacement vessel will be similar in size and capability to the current vessel, Patrol 14, which is a 31-foot Safeboat.

There are several reasons why staff believes now is the time to replace Patrol 11:

- Patrol 11 entered into service in 1997 and has exceeded its service life. In the past 23 years, advances in vessel technology and design have resulted in significant improvements to operational and mission capabilities of police vessels.

- Patrol 11 originally went into service with a 15-year replacement cycle for the hull and a three-year replacement cycle for its engines. Due to financial and service life factors the hull life was extended to 20 years, and the replacement cycle for engines was extended to 4 years.
- Given Patrol 11's age, it will need to be replaced in the next 5-7 years. During this time Patrol 11 will require an additional repower and additional maintenance to include new paint, seats, and a fire pump. Grant opportunities and a favorable environment may not be present 5 to 7 years from now, which could result in significantly higher costs to the City for replacement.
- Patrol 11 is scheduled for engine replacement this year. The City originally estimated the engine replacement cost at \$76,000 and set aside funds for this purpose. Due to an unexpected and significant increase in the replacement cost for the engines, the cost has escalated to \$109,000. As such, the City will need to identify an additional \$33,000 to replace the engines. The costs for repowering Patrol 11 can be completely avoided with a successful grant application. In other words, the City could spend \$109,000 for a repower on a 23-year-old patrol vessel, or with a successful grant application obtain a brand-new patrol vessel which includes new engines for \$125,000. This new patrol vessel would be placed on a 20-year replacement cycle for the hull, and a four-year replacement cycle for the engines, consistent with current practices.
- Patrol 11's outdated powertrain configuration results in higher annual maintenance, repair and operational costs. These costs are 28% higher than Patrol 14. This has also resulted in lower reliability and operational readiness.

MARINE PATROL PROGRAM

The Marine Patrol is a key component of the City's emergency response plan. If the I-90 bridges were damaged during a major disaster, Patrol 11 and Patrol 14 would be key components for disaster response. The vessels are capable of transporting AID and Medic staff from neighboring cities to the Island. Fire and Medical staff can be transported to waterfront locations in order to access areas where roads are blocked. The vessels are also capable of transporting sick or injured citizens directly to the University of Washington Medical Center within 8-15 minutes.

FUNDING SOURCES	
Port Security Grant Program Award	\$ 375,000
25% grant match (using replacement fund contributions to date)	\$ 125,000
TOTAL Marine Patrol Boat #11 Replacement Cost	\$ 500,000

SAVINGS TO CITY (Fleet Replacement Fund)	
Patrol 11 Replacement fund balance	\$ 127,000
Salvage Value for Patrol #11	\$ 80,000
Cost savings for 2020 scheduled repower of Patrol #11	\$ 109,000
Less 25% Match	(125,000)
TOTAL Funds returned to Fleet Replacement Fund, if grant awarded	\$ 191,000

RECOMMENDATION

Authorize the City Manager to sign the grant application.