

Tesoro Clean Products Upgrade ENVIRONMENTAL IMPACT STATEMENT

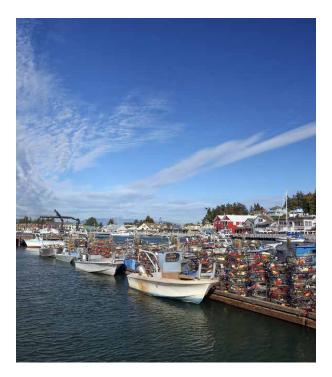
SOCIAL AND ECONOMIC ENVIRONMENT FACT SHEET

Introduction

Social and economic resources include housing, public services available in communities, and economic activity including jobs or other livelihoods which may have cultural importance. The EIS studied whether or not the project and its activities could create changes in these resources, and if so, how. The EIS also studied how significant potential changes to those resources could be. Finally, the EIS evaluated the potential for impacts to environmental justice.

What was studied?

The EIS considered potential impacts to the availability and costs of housing, access to or quality of public services, people's incomes, livelihoods and culturally important practices, as well as state or local taxes. Impacts were considered to tribal fishing and aquaculture, and particular industries including commercial fishing, petroleum refining, marine transportation and tourism and recreation.



Project activities, combined with reasonably foreseeable future actions and past actions, can compound to create cumulative impacts on social and economic resources Significant changes to land use or industrial activity can impact the local economy. Spending by a local entity on labor, materials and equipment, as well as earnings for the sale of goods can impact employment income and tax receipts

Utility and public service demands of a project and its workforce can strain public services, decreasing the quality of those services or others' access to them Housing availability and cost Quality / access to public services Jobs, taxes and economic sectors Culturally important livelihoods

A significant environmental justice impact would result in a disproportionately high and adverse impact on one or more minority or low-income communities

Housing costs or available supply can be impacted when a new workforce moves into an area or when land use changes due to a project Marine vessel traffic or a marine spill could impact fishing and aquaculture, tribal treaty rights, and the level of employment income or tax receipts linked to the marine economy SOCIAL AND ECONOMIC ENVIRONMENT FACT SHEET

How were impacts analyzed?

The EIS describes current conditions of social and economic resources using data from the US Census Bureau, US Bureau of Labor Statistics, Skagit County, City of Anacortes, Northwest Indian Fisheries Commission, Washington Department of Fish and Wildlife, Washington Research Council and others. The EIS considers the way construction and operations of the project, including marine vessel traffic and potential spills in the marine environment, could impact current conditions of social and economic resources.

What are the potential impacts?

Impacts range from **no impact** to **less than significant**. No significant cumulative impacts on social and economic resources were identified.

Description of Potential Impact	Impact Level:	Less than Significant	Potentially Significant
Construction			
Changes to housing costs			
Reductions in employment income and tax receipts due to land conversion			
Construction and Operations			
Increased demand on public services (fire, police, and emergency response) or utilities			
Increases in employment income		Positive	
Disproportionate adverse impact on minority and/or low-income communities			
Operations			
Changes to property values or rental rates			
Reduced income or tax receipts due to restricted waterway access for fishing, aquaculture, recreation or other economic activities		۲	
Unplanned Events			
Increased demand on public services (fire, police, and emergency response) due to a marine spill			
Reduction in employment income and tax receipts due to a marine spill or spill response			
Disproportionate adverse impact on minority and/or low-income communities due to a marine s	pill		

What is being proposed to minimize the impacts?

The proposed project includes the following best management practices for minimizing impacts. Some of the additional measures listed in the EIS include:

- Implement spill risk mitigation, prevention and response plans and measures
- Implement policies and procedures for safe work and Emergency Response Procedures for safe handling of hazardous materials
- Tesoro's own, on site, firefighting resources and mutual aid agreements with industrial neighbors
- Project operation would occur within the improved refinery and existing dock system, and would utilize established shipping lanes already dedicated to industrial use, minimizing impacts to fishing, recreation, tourism and aquaculture

Because there are no **potentially significant** impacts on social and economic resources, no additional mitigation measures are recommended beyond the embedded controls incorporated into the project design.



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