



Northern California O&M Projects



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San Francisco Bay Projects





San Francisco District Program



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(in millions)

	FY07 Actual	FY08 Actual	FY09 President's Budget
Oakland	\$50.0	\$40.9	\$25.1
Hamilton	\$10.0	\$8.5	\$4.9
Construction General Total	\$66.3	\$62.2	\$31.2
O&M Total	\$47.6	\$58.8	\$41.3





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Long-Term Management Strategy



LTMS:

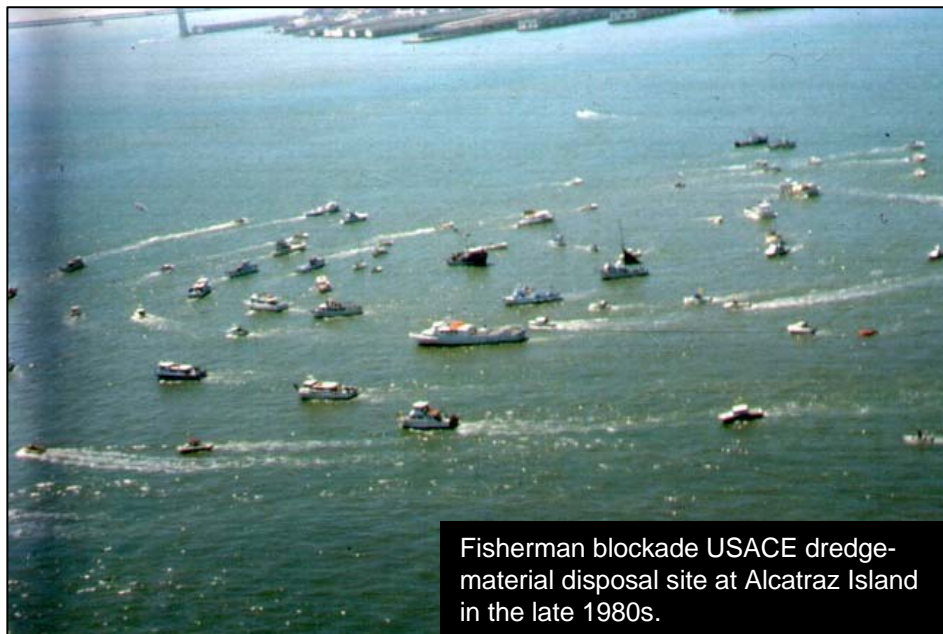
- Interagency leadership **partnership of state and Federal agencies**
- Implementation of **LTMS goal to reduce in-bay and ocean disposal and beneficial re-use of dredged sediment**



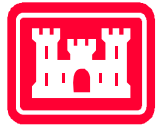
Ocean Disposal of
Dredge Material

Keys to Success:

- **No change to Federal O&M annual funding**
- Hamilton to **facilitate the LTMS step down goal** of 40/40/20
- Allow O&M projects **alternative disposal site** to in-Bay or open disposal
- **Cost neutral to O&M disposal and restore tidal wetland habitat** to the San Francisco Bay



Fisherman blockade USACE dredge-material disposal site at Alcatraz Island in the late 1980s.

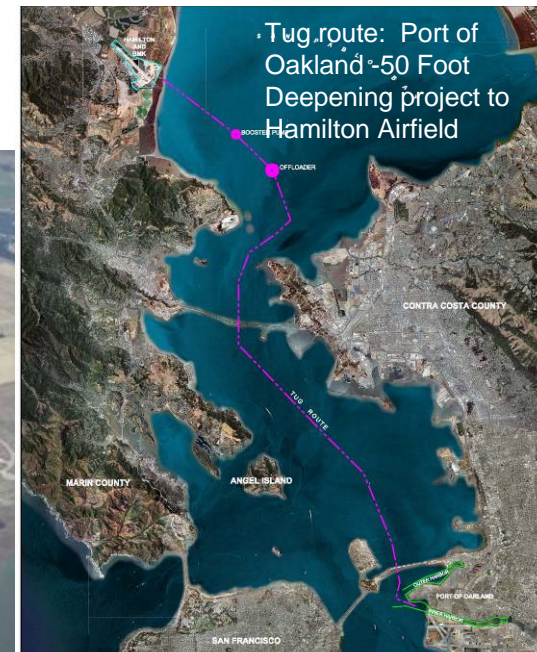
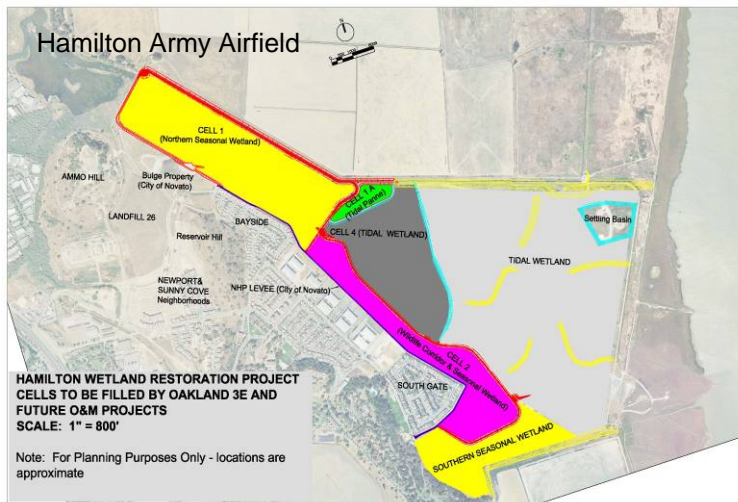
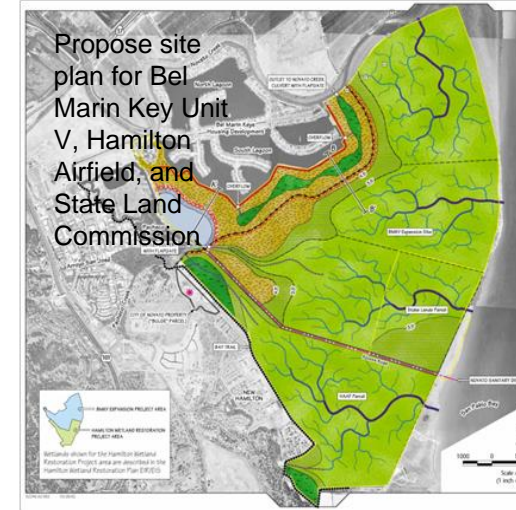


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Hamilton/ Bel Marin Key Unit V



- **2,600 acres** of seasonal & tidal restoration for endangered species
- **Beneficial placement** of about **24.4 MCY of dredged sediment** from Federal and private navigation channels
- Current dredged sediment **placement is about 1.77 MCY as of 4 Oct 08**





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Hamilton Project Funding

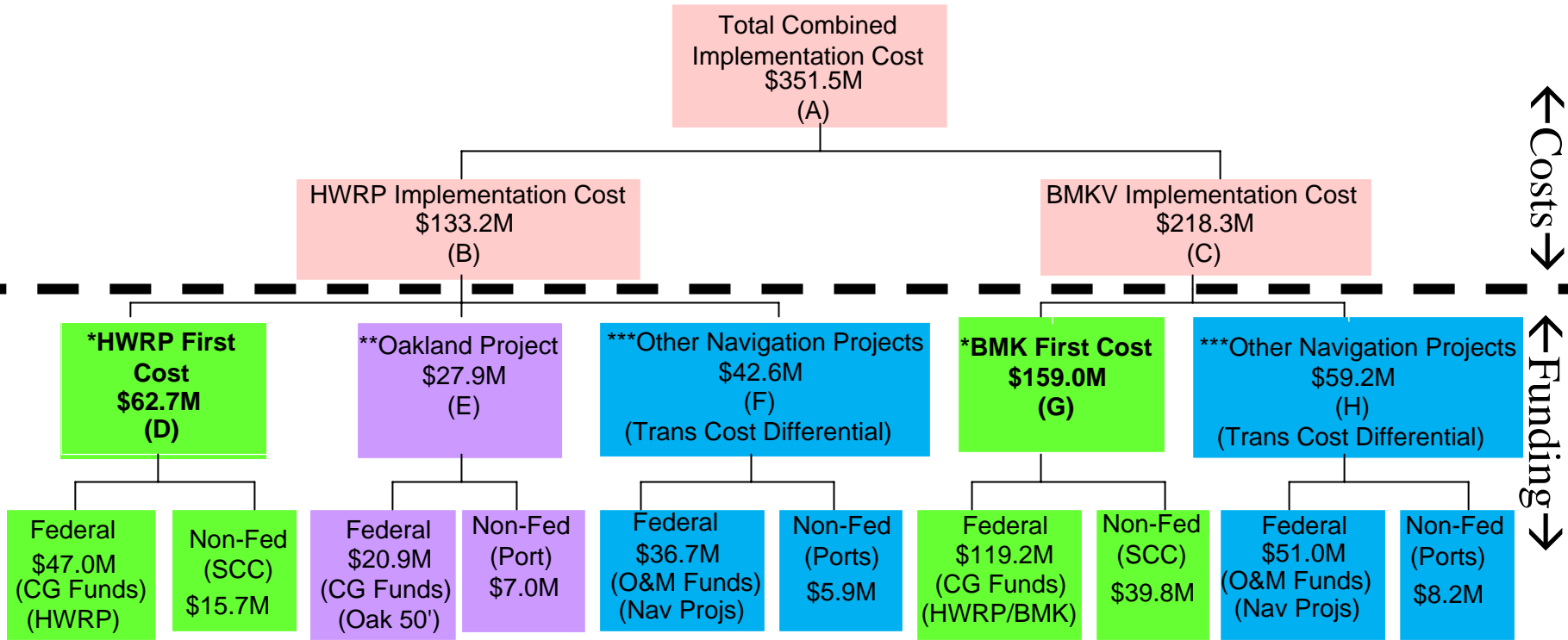


Authorization	Funding	Acres
WRDA 1999	Fed \$41.4 M non-Fed <u>\$13.8 M</u> Total \$55.2 M	990
WRDA 2007	Fed \$171M non-Fed <u>\$57M</u> Total \$228 M	2,600



HWRP/BMKV Project Costs

(October 2005 Price Level)



← Costs →

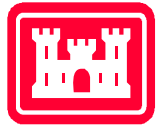
← Funding →

- Costs for Other Navigation Projects based on present estimates of dredged material deliveries to the HWRP.

*Typical Funding Sources

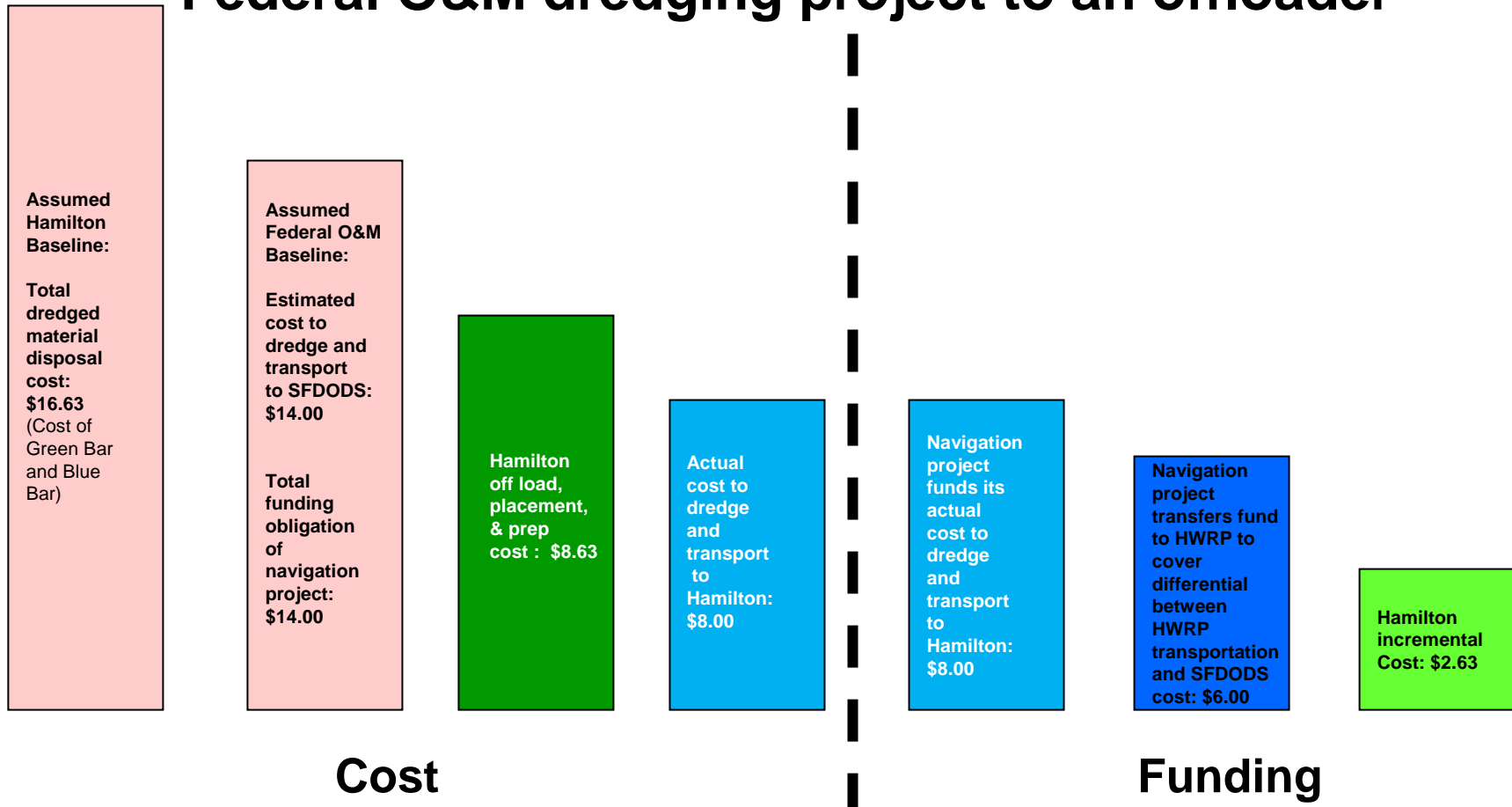
**Atypical Funding Sources

***Atypical Funding Sources



*Hamilton & Federal O&M Dredging Projects

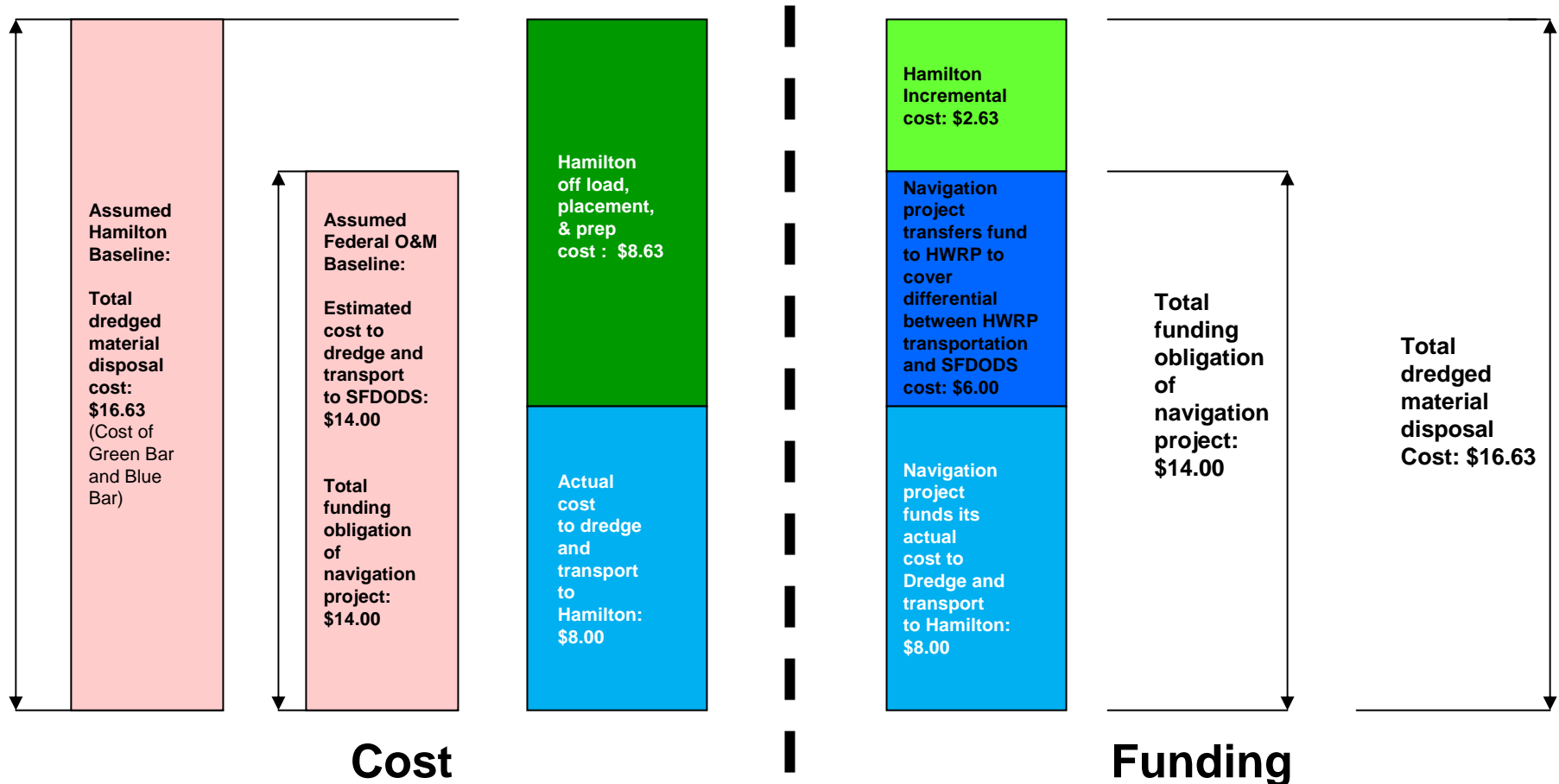
Example of Hamilton incremental cost and Federal O&M dredging project to an offloader





Hamilton & Federal O&M Dredging Projects

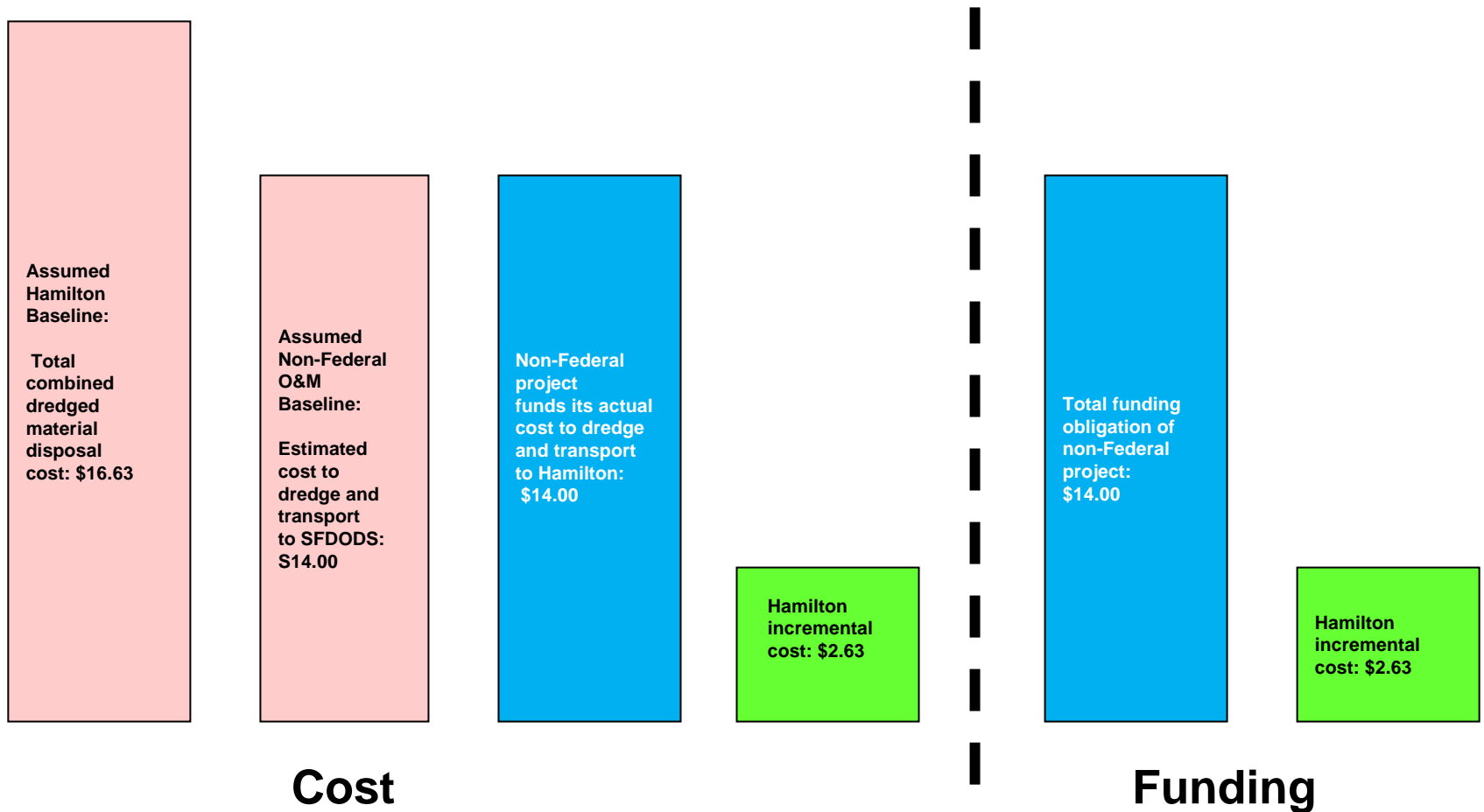
Example of Hamilton incremental cost and Federal O&M dredging project to an offloader





Hamilton & non-Federal O&M Dredging Projects

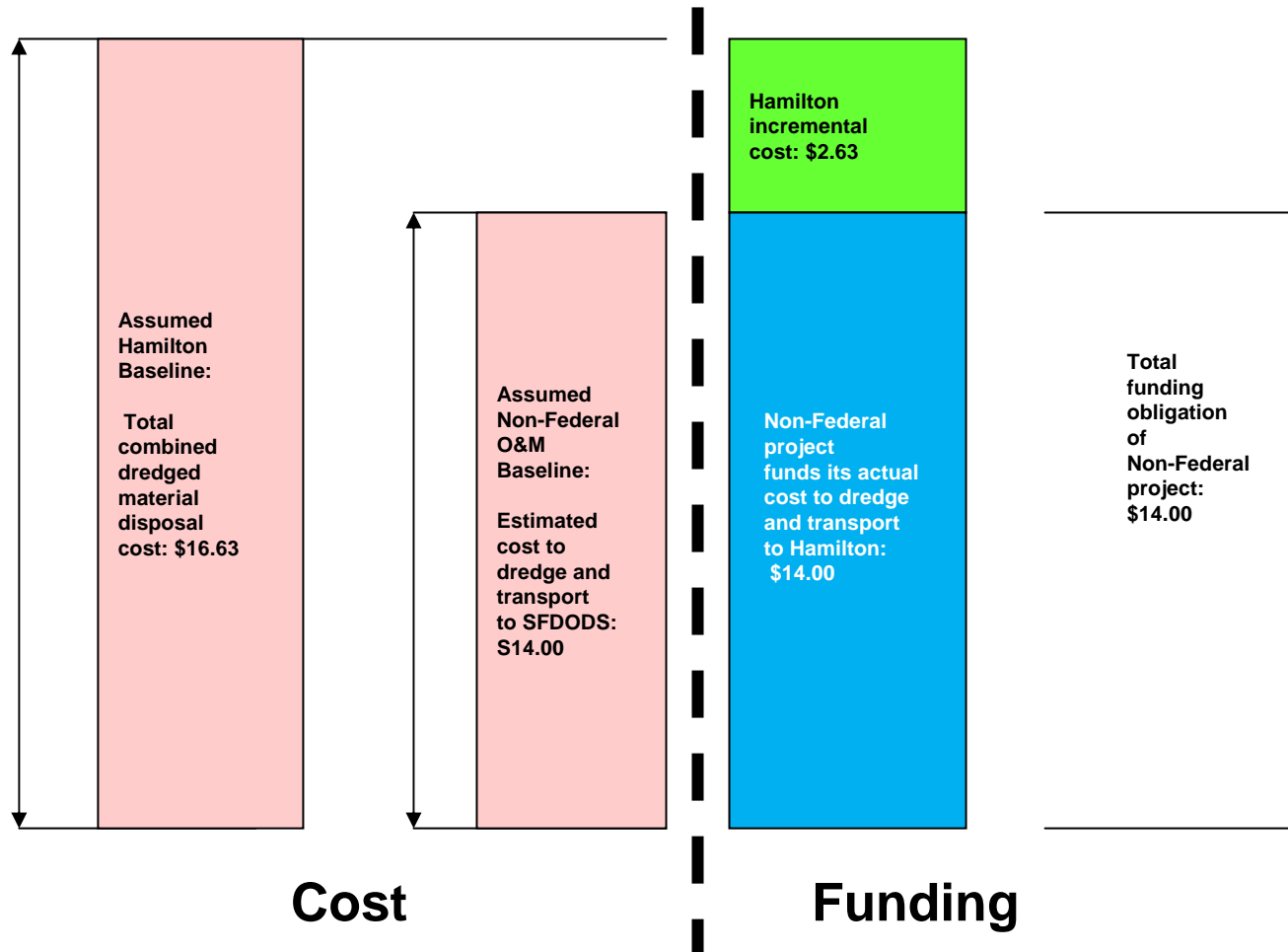
Example of Hamilton incremental cost and non-Federal O&M dredging project to an offloader





Hamilton & non-Federal O&M Dredging Projects

Example of Hamilton incremental cost and non-Federal O&M dredging project to an offloader



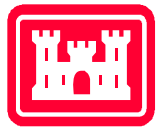


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Hamilton & non-Federal Dredging Projects to Aquatic Transfer Facility (ATF)

- **Non-Federal O&M projects** disposal of clean dredged sediment into the ATF with **no cost to the Hamilton project where Hamilton is less costly** than their traditional disposal site
- **Hamilton to transfer sediment** from ATF to the Hamilton site at **no additional cost to the non-Federal O&M projects beyond their traditional disposal site cost**
- **No delay** to Federal or non-Federal dredging projects



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Summary

- **O&M funding is static** and is not impacted by the CG funding
- **Hamilton and Federal O&M projects can transfer funding** for placing dredged sediment at the Hamilton site
- Placement of dredged sediment at Hamilton site **will facilitate LTMS step down goal** of reducing in-Bay and ocean disposal
- **Restore San Francisco Bay** tidal wetland habitat
- **Improve navigation channels** within the San Francisco Bay
- **Improve the regional economy**

Questions?