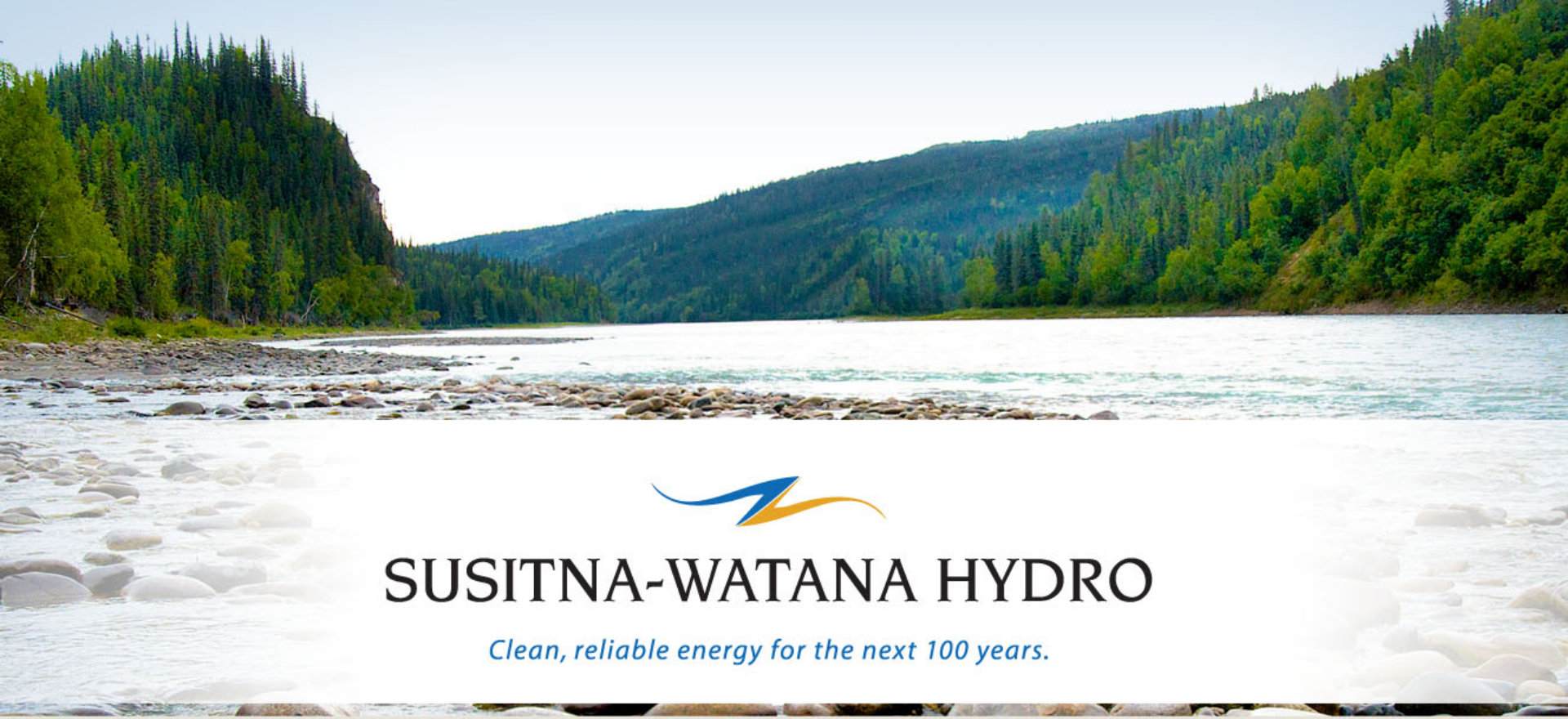

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Clean, reliable energy for the next 100 years.

Susitna-WatanaHydro.org

Alaska Power Association
Sara Fisher Goad, executive director
Aug. 27, 2015

What Does the Future Hold?

Where We Are

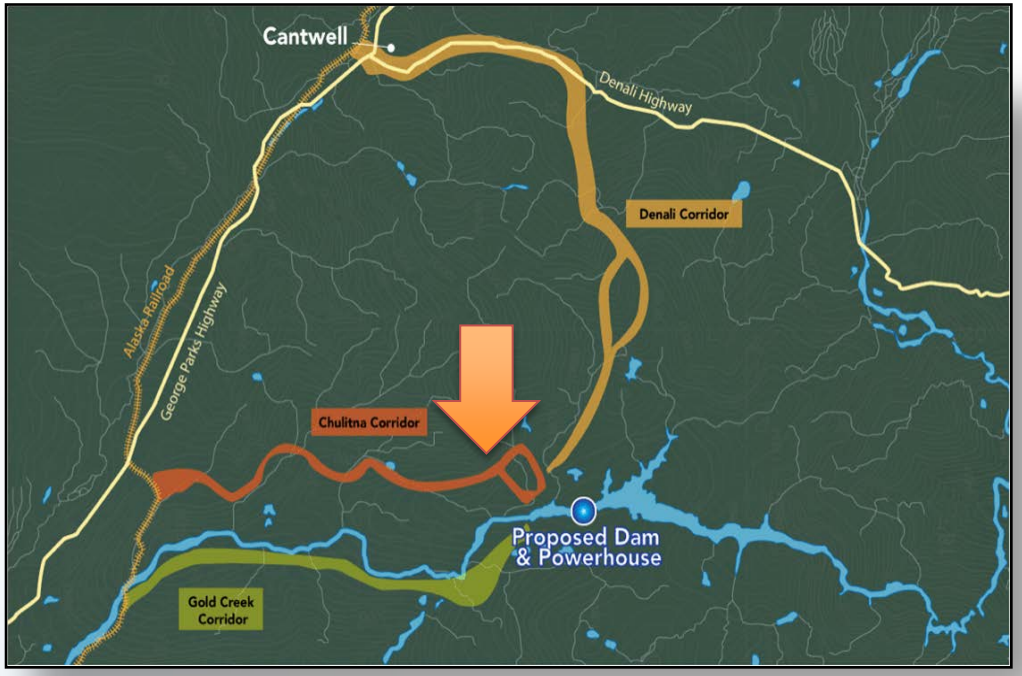
- ✓ Study Plan Development
- Study Implementation Phase
- Impact Assessment
- Development of Protection, Mitigation and Enhancement Measures (PMEs)

Technical Feasibility

Posted Engineering Feasibility Report (2014)

- Refined dam height to 705 feet
- Optimized Capacity while maintaining 2,800 GWh annual energy
- Drilling confirmed no active faults at the dam site (2014)

Refined Potential Access



- Eliminated the Chulitna road access potential route

Status of FERC Studies

- Completed 13 of 58 FERC-approved studies
- Filed Initial Study Report (2014)
- Filed 32 technical memorandums on 2014 environmental study results
- Administrative Order 271 “paused” ILP process
- Resuming ILP with ISR meetings in 2016

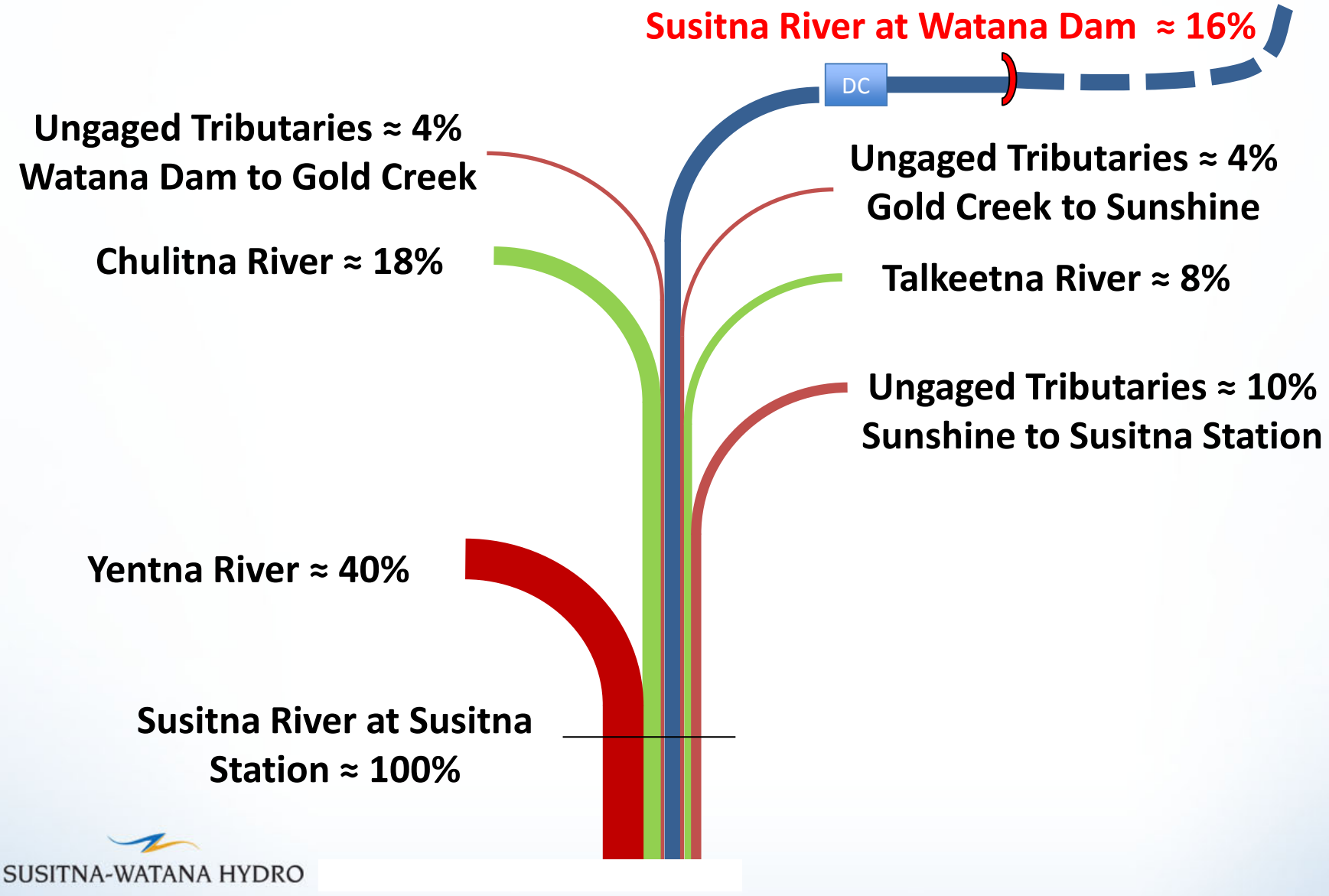
Emissions Reductions

- Susitna-Watana Hydro would displace an estimated 1.3 million metric tons of CO2 annually
- In 2015, Renewable Energy Fund projects are expected to displace 200,000 metric tons of CO2 emissions

Susitna-Watana Hydro would decrease Alaska electric generation emissions by 42%

Car emissions source EPA

Average Annual Flow Contributions



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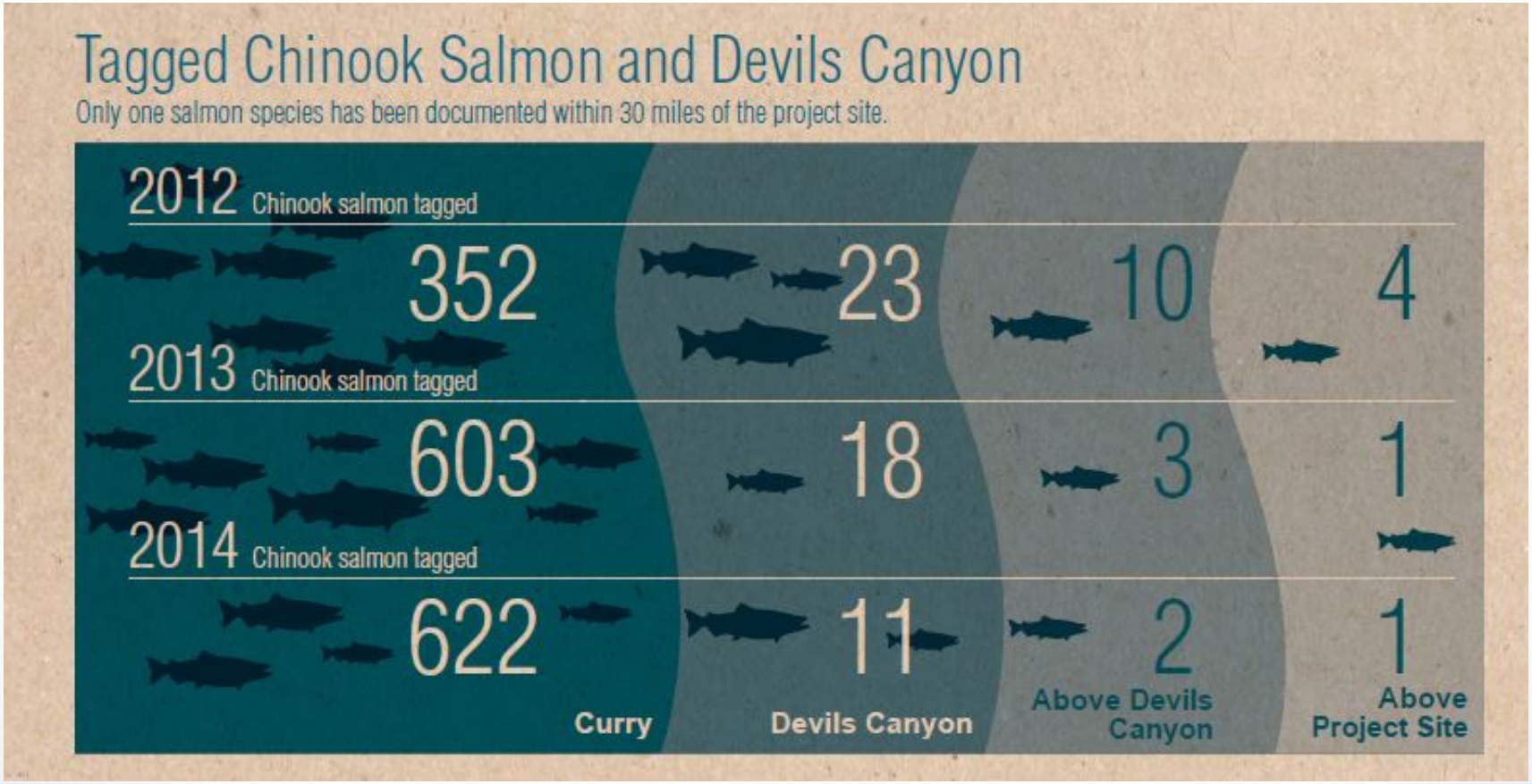
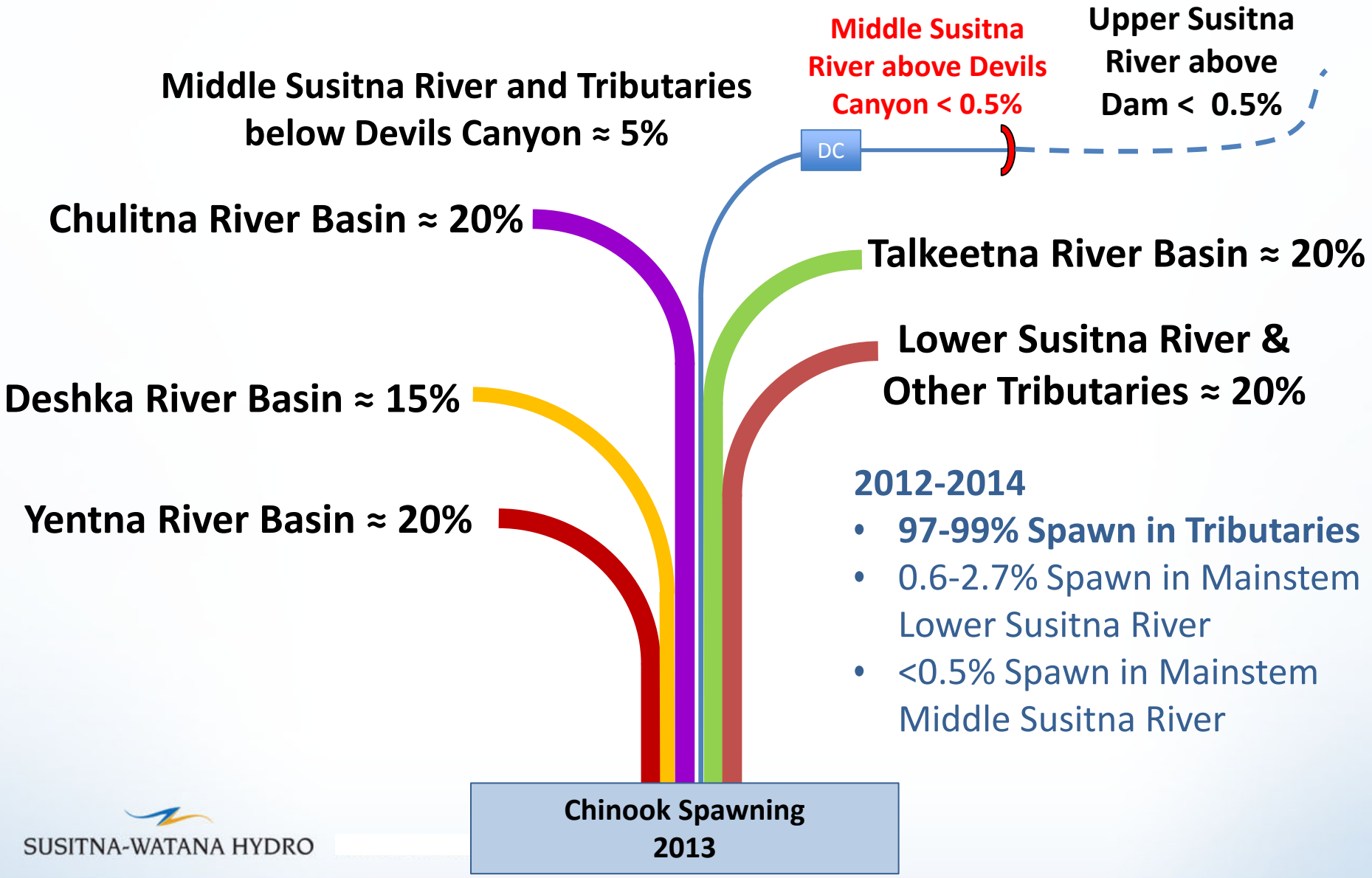
Chinook by the Numbers



2013 Chinook Salmon Spawning Distribution by Basin



2012-2014

- **97-99% Spawn in Tributaries**
- 0.6-2.7% Spawn in Mainstem Lower Susitna River
- <0.5% Spawn in Mainstem Middle Susitna River

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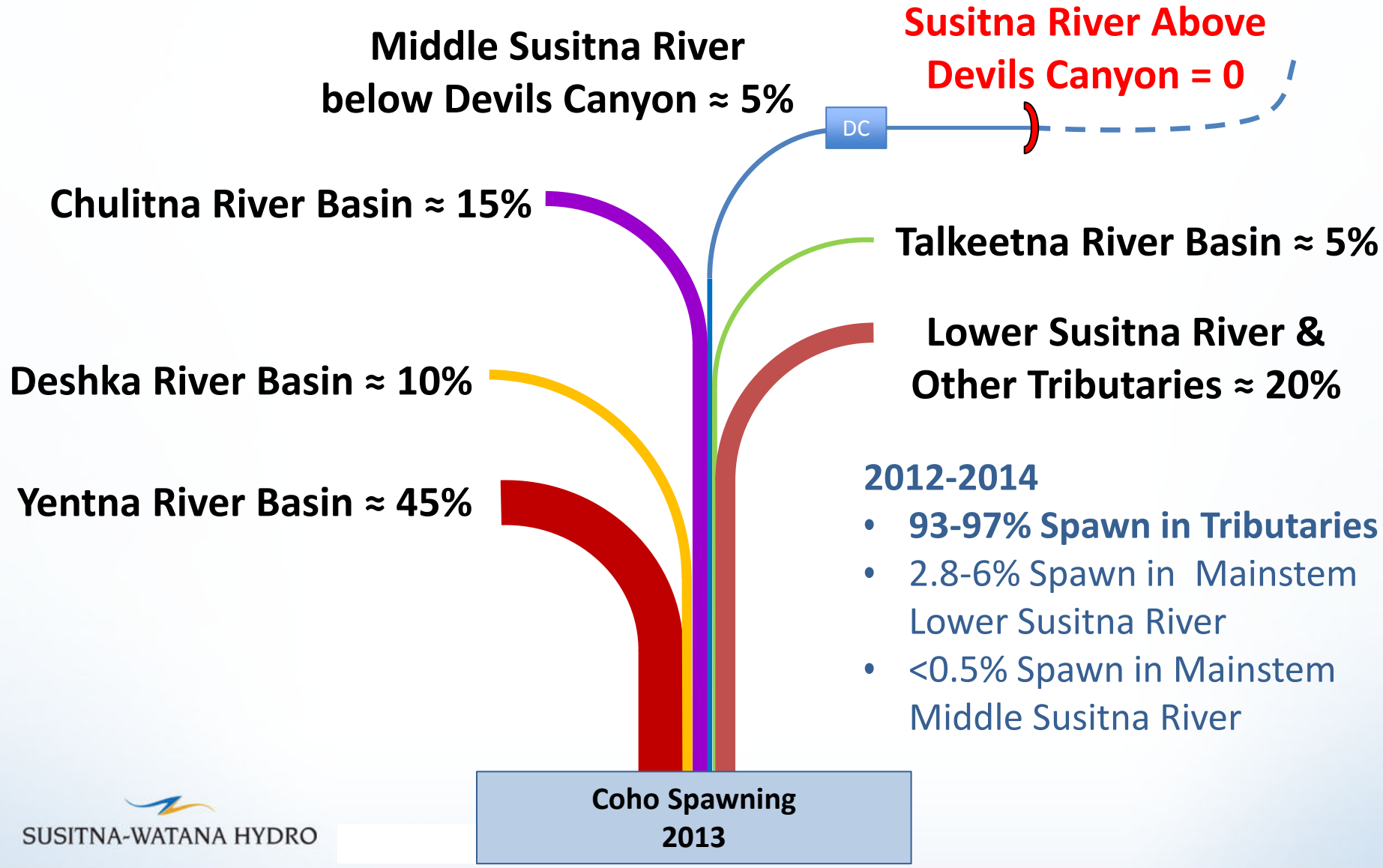
Data Sources: LGL (2014)

2013 Coho Salmon Spawning Distribution by Basin



2012-2014

- **93-97% Spawn in Tributaries**
- 2.8-6% Spawn in Mainstem Lower Susitna River
- <0.5% Spawn in Mainstem Middle Susitna River

SUSITNA-WATANA HYDRO

(Merizon 2010) Data Source: LGL (2014)

Administrative Order

- Administrative Order 271 issued Dec. 2014
  - Stopped discretionary spending on six large projects, including Susitna-Watana Hydro
  - Reduced scope of work focused on wrapping up studies and contractual obligations

Administrative Order

- Clarifying memo received July 2015
  - Clarified "discretionary spending" to include advancing project to next milestone
  - Project will be re-evaluated under current fiscal climate

Appropriations	Dollars Spent	Remaining Funds	Encumbered Funds *(committed against the remaining funds balance)*
$192 million	$172 million	$20 million	$9.5 million

What's Next?

- Advance the project to the FERC Study Plan Determination (2016)
- Preserve the value of data collected
  - Archiving online to allow access for Alaskans
  - Wrapping up studies
  - Synthesizing data
- Approximately $103 million needed to advance to FERC license application

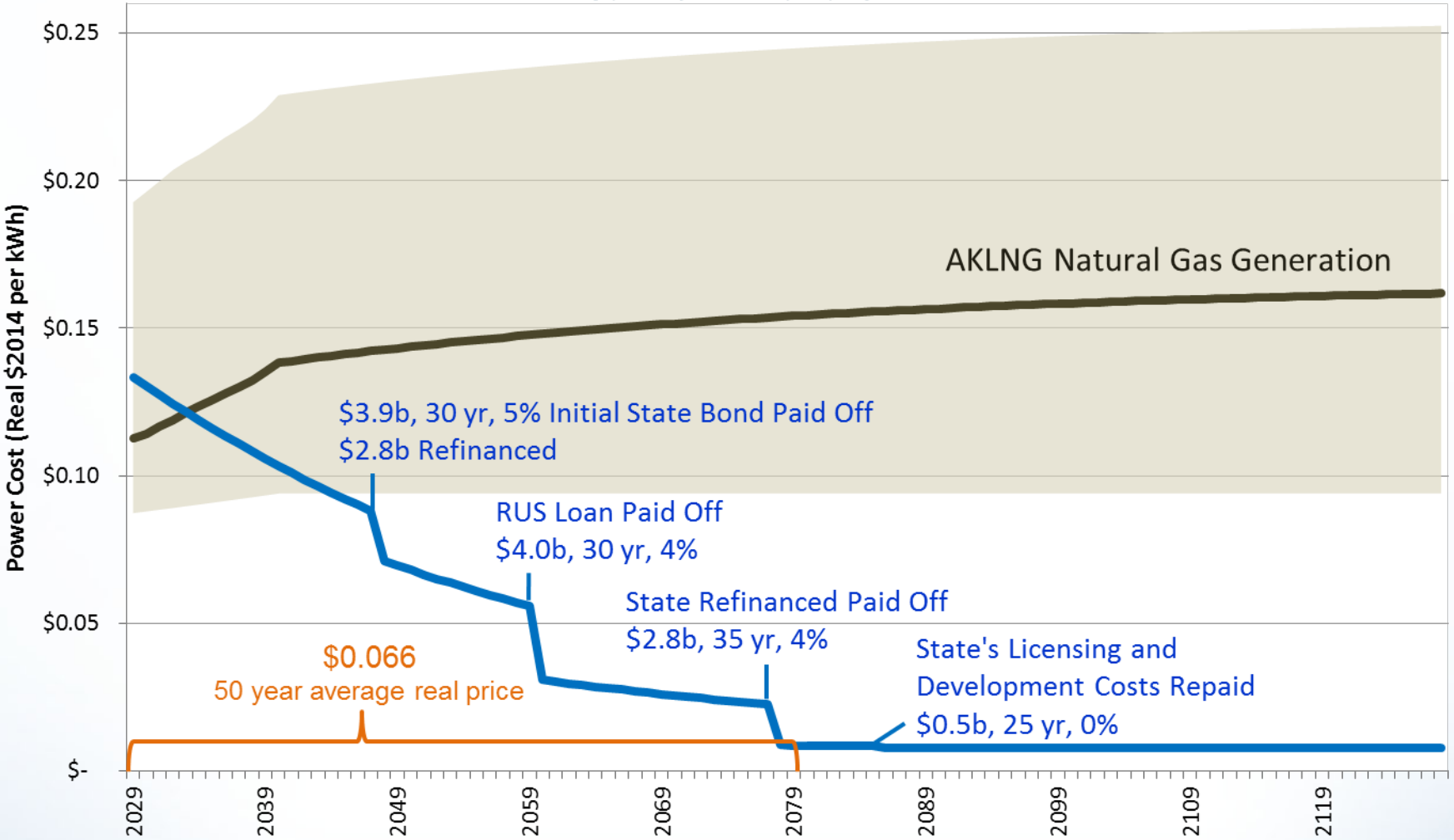
Providing Economic Value

Susitna-Watana Hydro would provide billions of dollars in energy savings for the Alaska Railbelt

- $11.2 billion in energy savings during first 50 years
- 5,000 preconstruction and non-construction direct jobs (2010-2028)
- 12,000 direct overall construction workforce
- 1,155 peak construction workforce expected in 2025
- $2.6 billion in direct local spending during construction

Susitna-Watana vs. Natural Gas Power Costs

Real 2014 Dollars



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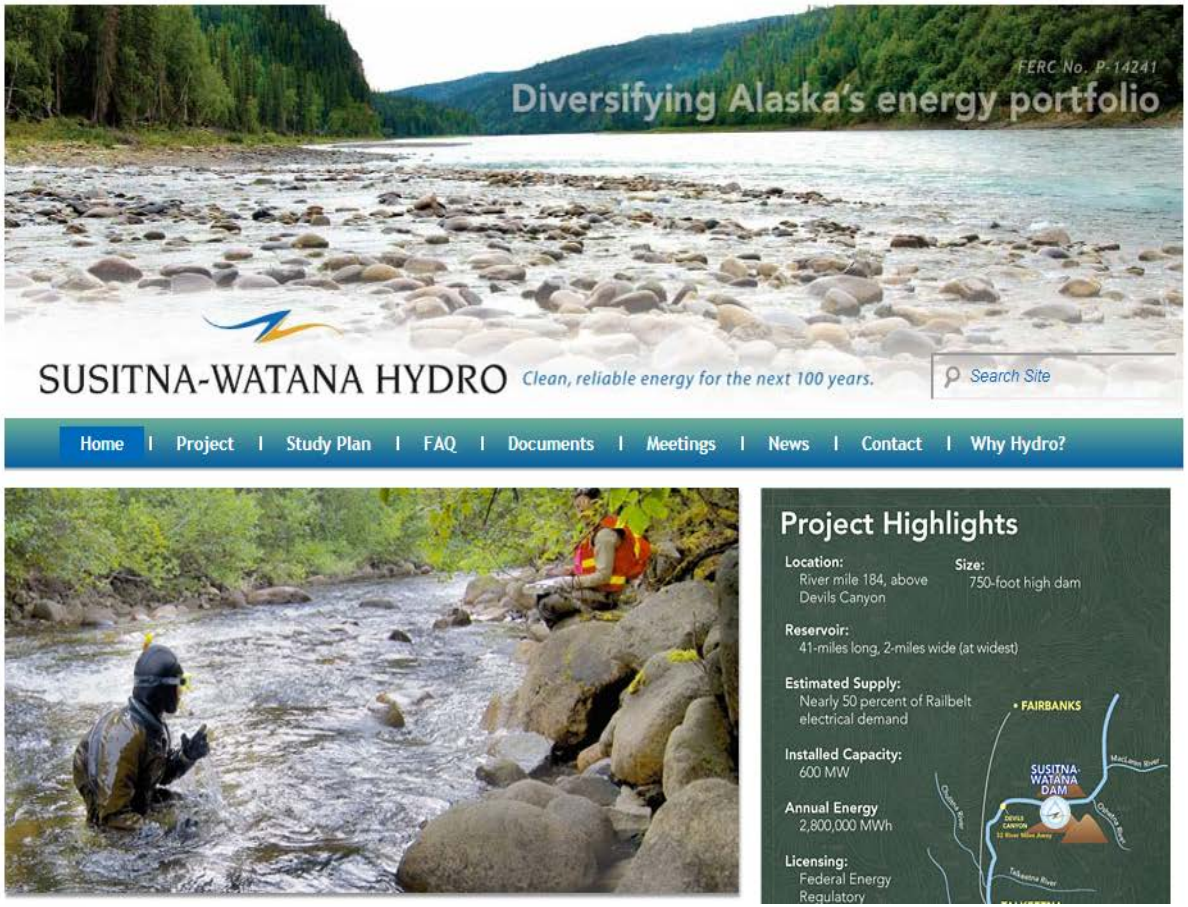

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