NORTHERN CALIFORNIA
PROJECT SECTIONS

Community Working Groups
Fall 2021
Webinar
<table>
<thead>
<tr>
<th></th>
<th>AGENDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Introductions &amp; Agenda Review</td>
</tr>
<tr>
<td>2.</td>
<td>Statewide Update</td>
</tr>
<tr>
<td>3.</td>
<td>2021 Sustainability Report</td>
</tr>
<tr>
<td>4.</td>
<td>Northern California Update</td>
</tr>
<tr>
<td>5.</td>
<td>Partner Update – Caltrain</td>
</tr>
<tr>
<td>6.</td>
<td>Public Comment</td>
</tr>
</tbody>
</table>
WEBINAR GUIDELINES
COMMUNITY WORKING GROUPS

• Be respectful
• Mute your line when you are not speaking
• Only one person speaks at a time
• If CWG members would like to speak:
  » Please “raise your hand” or
  » Send a message via webinar chat
• Members of the public are welcome to listen
• Disruptive participants will be removed from the webinar
• If you are having a technical problem, please send a message via webinar chat
STATEWIDE UPDATE
CONSTRUCTION UPDATE

• Over 6,000 construction jobs created by September 2021

• Construction tours for Working Group members
  Contact Rachel Bickert:
  Rachel.Bickert@hsr.ca.gov

• For more information:
  https://buildhsr.com/construction_update/
## STATEWIDE ENVIRONMENTAL ANALYSIS MILESTONES

<table>
<thead>
<tr>
<th>Project Section</th>
<th>Draft EIR/EIS</th>
<th>Projected ROD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bakersfield to Palmdale</td>
<td>Complete (February 2020)</td>
<td>Complete</td>
</tr>
<tr>
<td>Burbank to Los Angeles</td>
<td>Complete (May 2020)</td>
<td>Q1 2022</td>
</tr>
<tr>
<td>San José to Merced</td>
<td>Complete (April 2020)</td>
<td>Q1 2022</td>
</tr>
<tr>
<td>San Francisco to San José</td>
<td>Complete (July 2020)</td>
<td>Q2 2022</td>
</tr>
</tbody>
</table>

**LEGEND**

- High-Speed Rail Under Construction
- Environmental Documents Complete
- Environmental Documents Underway
- Stations
- Funded Grade Separation Projects

*Updated: Aug. 2021*
### California High-Speed Rail Funding

<table>
<thead>
<tr>
<th>#</th>
<th>Source</th>
<th>Amount</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bond measure</td>
<td>$9.95 billion</td>
<td>2008 Proposition 1A</td>
</tr>
<tr>
<td>2</td>
<td>Federal Grant</td>
<td>$2.5 billion</td>
<td>2009 American Recovery and Reinvestment Act (ARRA)</td>
</tr>
<tr>
<td>3</td>
<td>Federal Funding</td>
<td>$929 million</td>
<td>FY 2010 Appropriations Bill</td>
</tr>
<tr>
<td>4</td>
<td>Annual Cap and Trade Auction Market</td>
<td>$500-$750 million per year</td>
<td></td>
</tr>
</tbody>
</table>

**Total Funding:**

- $9.95 billion
- $2.5 billion
- $929 million
- $500-$750 million per year
CAP AND TRADE AUCTION PROCEEDS
FY 16/17 Q1 TO FY 21/22 Q1

$ in millions

AB-398 Adjustments
C&T Proceeds
C&T $750M/yr.
C&T $500M/yr.

STATEWIDE UPDATE
### COMPETITIVE GRANT PROGRAMS

<table>
<thead>
<tr>
<th>Program</th>
<th>Available $</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Intercity Passenger Rail</td>
<td>$16.1 Billion</td>
</tr>
<tr>
<td>Consolidated Rail Infrastructure and Safety Improvements (CRISI)</td>
<td>$10 Billion</td>
</tr>
<tr>
<td>National/Regional Significance (Mega Project)</td>
<td>$10 Billion</td>
</tr>
<tr>
<td>Rebuilding American Infrastructure with Sustainability and Equity (RAISE)</td>
<td>$7.5 Billion</td>
</tr>
<tr>
<td>Infrastructure for Rebuilding America (INFRA)</td>
<td>$8 Billion</td>
</tr>
<tr>
<td>Rail/Highway Crossing Elimination</td>
<td>$5.5 Billion</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 57.1 Billion</strong></td>
</tr>
</tbody>
</table>
In May, the Governor proposed an $11 billion transportation infrastructure package that included $4.2 billion from Proposition 1A for high-speed rail.

In September, the Legislative session ended without agreement being reached.

Negotiations will continue when the Legislature reconvenes in early 2022.

“We remain committed to continuing negotiations with the Legislature throughout the fall so we can come back early in the new year with a resolution that ensures California is well positioned to put new federal funding to use to build a better transportation future in this state.”

— Governor Gavin Newsom (September 13, 2021)
2021 SUSTAINABILITY REPORT
Everyone at the Authority helps deliver sustainability. This year’s focus is on how the system contributes to building an equitable future.
“The Authority will deliver a sustainable high-speed rail system for California that serves as a model for sustainable rail infrastructure. The Authority has developed and will continue to implement sustainability practices that inform and affect the planning, siting, designing, construction, mitigation, operation, and maintenance of the high-speed rail system.”

From #HSRA 19-02 Revised Sustainability Policy
Envision is a 3rd Party Verified certification program for sustainable infrastructure.

Certification is based on an iterative points-based framework.
CALIFORNIA SETS SUSTAINABILITY STANDARDS
THE AUTHORITY RELIES ON BOARD LEADERSHIP TO SET PRIORITIES WHILE DELIVERING CALIFORNIA PUBLIC POLICY

300,000 MT Carbon Sequestered and Avoided

6,000 Dispatched Workers

$4 Billion in Disadvantaged Communities Investment

180,000 lbs. Criteria Air Pollution Avoided

626 Small Businesses Engaged

100% Renewable Energy

SUSTAINABILITY REPORT
PROTECTING COMMUNITIES IN CONSTRUCTION
BEST PRACTICE HAS AVOIDED MORE THAN 180,000 POUNDS OF POLLUTION

<table>
<thead>
<tr>
<th></th>
<th>TYPICAL FLEET</th>
<th>HSR FLEET</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NOx</strong> Nitrogen Oxide</td>
<td>150,000 lbs.</td>
<td>50,000 lbs.</td>
</tr>
<tr>
<td><strong>ROG</strong> Reactive Organic Gas</td>
<td>13,800 lbs.</td>
<td>3,900 lbs.</td>
</tr>
<tr>
<td><strong>PM</strong> Particulate Matter</td>
<td>8,400 lbs.</td>
<td>3,700 lbs.</td>
</tr>
<tr>
<td><strong>BC</strong> Black Carbon</td>
<td>6,300 lbs.</td>
<td>2,600 lbs.</td>
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</table>
CLIMATE ADAPTATION PLAN

Summary available here: https://hsr.ca.gov/programs/green-practices-sustainability/sustainability/
95% of ALL Construction and Demolition Waste Diverted From Landfills

100% of concrete and steel
SEAMLESS CONNECTIONS IN STATIONS
SAFE, COMFORTABLE, EASY TO NAVIGATE FACILITIES FOR PASSENGERS

SUSTAINABILITY REPORT
REDUCING VMT IS A CRITICAL CONTRIBUTION OF THE SYSTEM
CONCENTRATING LAND USE AROUND HSR STATIONS IS VITAL FOR CALIFORNIA’S CLIMATE GOALS

The system could result in substantial GHG reductions necessary for the state to achieve its ambitious goals.
NORTHERN CALIFORNIA UPDATE
NORTHERN CALIFORNIA ENVIRONMENTAL PROCESS
SAN JOSE TO MERCED PROJECT SECTION

2009
Notice of Preparation

Development & Evaluation of Alternatives

Identification of Preferred Alternative

Public Review of Draft EIR/EIS

Cooperating & Responsible Agency Review

Prepare Draft EIR/EIS

Respond to Comments and Prepare Final EIR/EIS

Cooperating & Responsible Agency Review

Public Availability of Final EIR/EIS

Authority Certifies Final EIR/EIS and Issues ROD

Recirculated Materials

2021

2022

NORTHERN CALIFORNIA UPDATE
NORTHERN CALIFORNIA ENVIRONMENTAL PROCESS
SAN FRANCISCO TO SAN JOSE PROJECT SECTION

Notice of Preparation

Development & Evaluation of Alternatives

Identification of Preferred Alternative

Public Review of Draft EIR/EIS

Prepare Draft EIR/EIS

Cooperating & Responsible Agency Review

Public Availability of Final EIR/EIS

We are here

Respond to Comments and Prepare Final EIR/EIS

Cooperating & Responsible Agency Review

Cooperating & Responsible Agency Review

Authority Certifies Final EIR/EIS and Issues ROD

= ongoing outreach

2016

2019

2020

2021

2022

NORTHERN CALIFORNIA UPDATE
### Comment Period Summary

<table>
<thead>
<tr>
<th>Comment Period</th>
<th>San Jose to Merced</th>
<th>San Francisco to San Jose</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 23 – June 9</td>
<td>July 23 – September 8</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>MeetHSRNorCal.org Visitors</th>
<th>&gt;100</th>
<th>&gt;800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Millbrae Community Meeting Participants</td>
<td>N/A</td>
<td>55</td>
</tr>
<tr>
<td># of Submissions</td>
<td>14</td>
<td>24</td>
</tr>
<tr>
<td>Comments Received</td>
<td>200+</td>
<td>150+</td>
</tr>
</tbody>
</table>
RETURN TO IN-PERSON OUTREACH

Los Banos Street Faire

Viva Calle San Jose
RETURN TO IN-PERSON OUTREACH

Millbrae BART Station

Millbrae Farmers Market

NORTHERN CALIFORNIA UPDATE
FINAL EIR/EIS PROCESS

Public Review of Draft EIR/EIS & Revised/Supplemental EIR/EIS

Prepare Final EIR/EIS & Responses to Comments

Final EIR/EIS Publicly Available

Authority Board Considers Approval of Final EIR/EIS & Record of Decision

Comments received on environmental documents

CWG Meeting

NORTHERN CALIFORNIA UPDATE
NEXT STEPS AFTER ROD

STAGE GATE FRAMEWORK

WE ARE HERE

INITIATE

STAGE 1
Project Initiation

PRELIMINARY ENGINEERING & ENVIRONMENTAL APPROVAL

STAGE 2
Identify Preferred Alternative & Begin Preliminary Design

STAGE 3
Environmental Clearance, Prepare for Pre-Construction

EARLY WORKS

STAGE 4
Early Works and Right-of-Way Acquisition

PROCUREMENT

STAGE 5
Procurement for Construction

DESIGN & BUILD

STAGE 6
Final Design, Construction, Testing and Commissioning

PROJECT CLOSE OUT

STAGE 7
Project Close Out

Source:
2020 Business Plan

NORTHERN CALIFORNIA UPDATE
WHERE ARE WE NOW - STAGE 3

**Environmental Clearance**
- Final EIR/EIS
- Record of Decision (ROD)
- Mitigation Monitoring Enforcement Plan (MMEP)

**Prepare for Pre-Construction**
- Advance Engineering to 30%
- Right-of-way mapped
- Utility relocation requirements identified
- Choose construction delivery method

Source: 2020 Business Plan
WHAT HAPPENS NEXT

PRELIMINARY ENGINEERING & ENVIRONMENTAL APPROVAL

STAGE 2
Identify Preferred Alternative & Begin Preliminary Design
- 15% Preliminary Engineering
- Draft Environmental Impact Report/Statement (EIR/EIS)
- Evaluate range of alternatives
- Identify Preferred Alternative
- Risk assessment

STAGE 3
Environmental Clearance, Prepare for Pre-Construction
- 30% Preliminary Engineering
- Final EIR/EIS
- Record of Decision - Environmental Clearance
- Risk assessment
- Develop Procurement/Delivery Plan
- Right-of-Way Mapping
- Identify Utility Relocations

EARLY WORKS

STAGE 4
Early Works and Right-of-Way Acquisition
- Right-of-Way acquisition
- Third party agreements - railroads, local jurisdictions, utilities
- Environmental permits - federal agencies
- Risk assessment

PROCUREMENT

STAGE 5
Procurement for Construction
- Request for Qualifications/Proposals
- Select contractor/award contract
- Issue Notice to Proceed
- Finalize right-of-way, third party agreements, permits and environmental mitigation

DESIGN & BUILD

STAGE 6
Final Design, Construction, Testing and Commissioning
- Contractor completes final design
- Construction initiated
- Change order management
- Construction completed
- Project tested & commissioned
- Substantial completion milestone
- Ready for track and systems

Source: 2020 Business Plan
WHAT TO EXPECT FOR STAKEHOLDER ENGAGEMENT
TRANSITION FROM STRUCTURED WORKING GROUPS: EXAMPLES UNDER CONSIDERATION

Meetings & Events

Community Meetings
Technical Coordination Meetings
Webinar(s) for General Public
Design Coordination (Neighborhood) Meetings
“Meet the Construction Contractor” Meetings
Tabling at In-Person Events

News & Notifications

Regional Newsletter
Social Media Outreach
Website Updates

NORTHERN CALIFORNIA UPDATE