WASHTO HIGHWAY TRANSPORT COMMITTEE

COMMERCIAL VEHICLE INFORMATION SYSTEMS SURVEY

Dave Huft

South Dakota Department of Transportation

February 27, 2018

Survey

- 49 Questions
- 4 Systems
  - Permitting
  - Routing
  - IRP
  - IFTA
- December-January
- https://www.surveymonkey.com/r/WASHTO_CV_Info_Systems_Survey

WASHTO Highway Transport Committee
Commercial Vehicle Information Systems Survey

This survey is intended to collect and share information among the WASHTO states regarding their use of information systems for commercial vehicle permitting, oversize/overweight vehicle routing, and administration of the International Registration Plan (IRP) and the International Fuel Tax Agreement (IFTA).

Please submit a single response on behalf of your state by January 16, 2018. If you have any questions about this survey, please contact Dave Huft (dave.huft@state.sd.us) at 605.773.3358. Thank you!
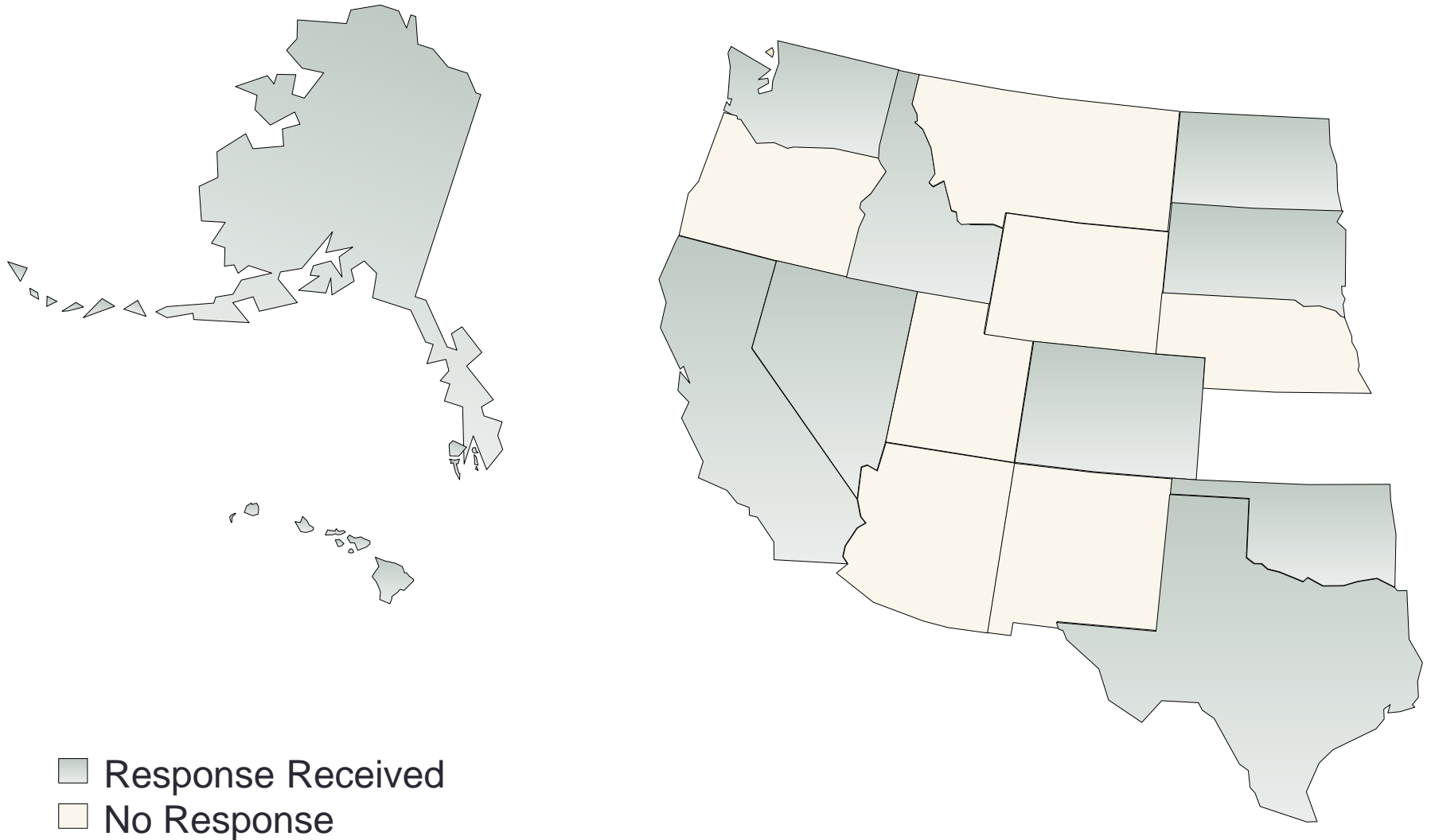
* 1. Please provide your contact information:

Name

Organization

State   -- select state --

Email Address

Phone Number

* 2. Would you like to receive a summary of the results of this survey?

○ Yes

○ No

States Responding to the Survey
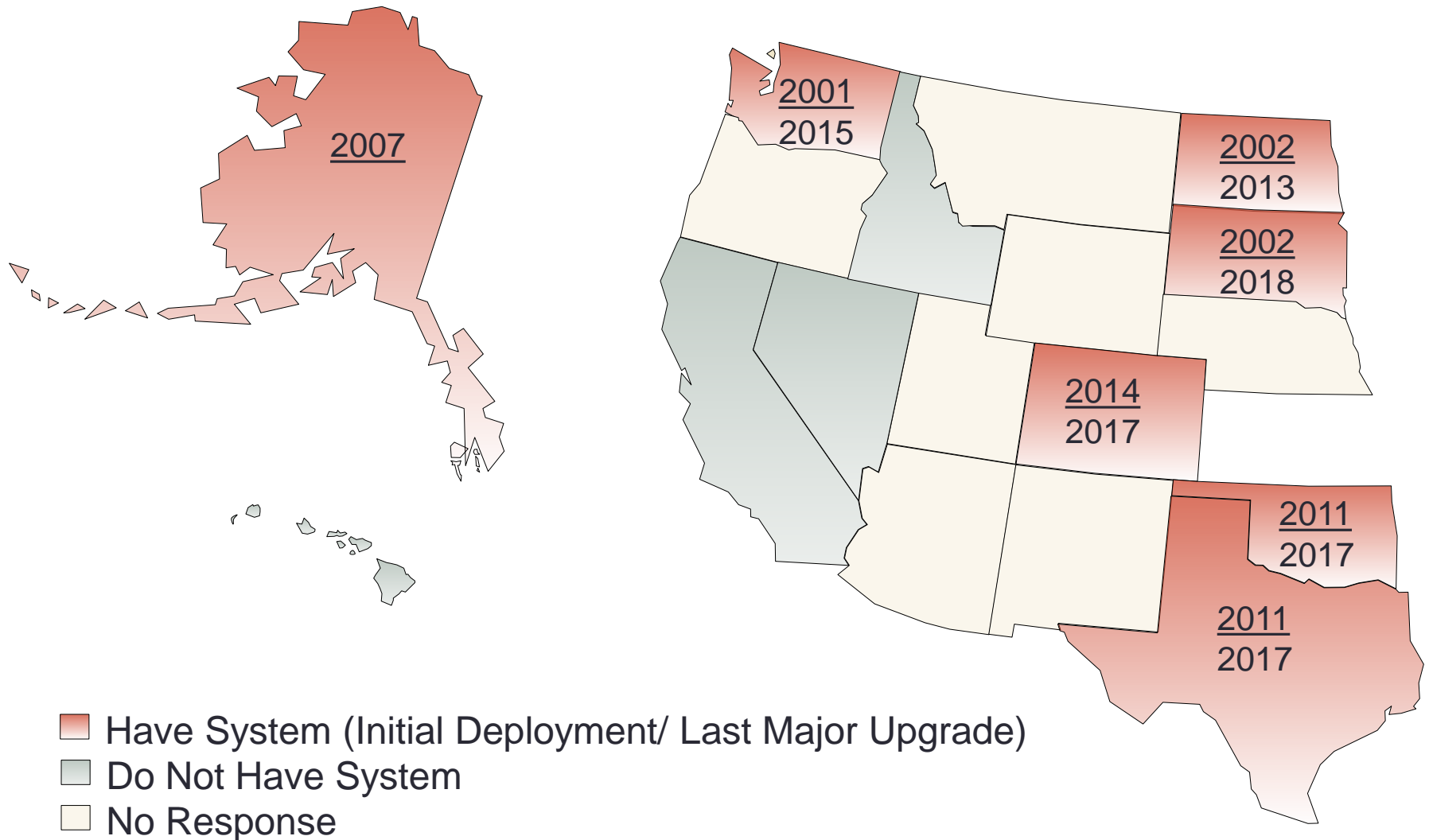
Response Received
No Response

Commercial Vehicle Permitting System Deployment & Last Major Upgrade

2007

2001
2015

2002
2013

2002
2018

2014
2017

2011
2017

2011
2017

■ Have System (Initial Deployment/ Last Major Upgrade)
■ Do Not Have System
■ No Response

Commercial Vehicle Permitting System Estimated Upgrade & Replacement

2020

2018

2018
2020

2018
2030

Have System (Upgrade/Replacement)
Do Not Have System
No Response
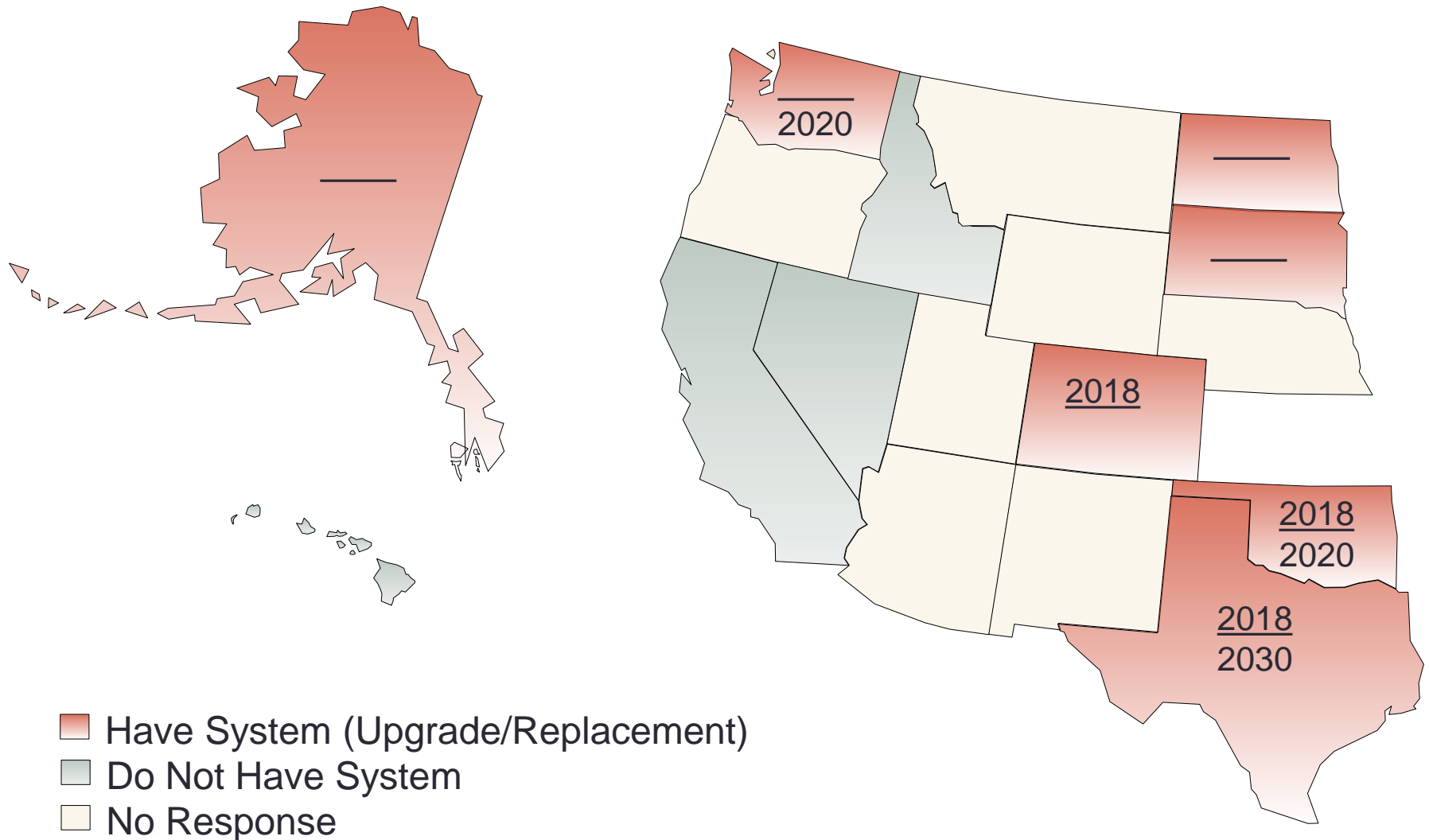
Permitting System Costs ($K)

State	Initial Deployment	Annual Maintenance	Annual Hosting	Annual Enhancement
Alaska				
Colorado	$2,200	$140		
Oklahoma		$600		$900
North Dakota	$2,500	$1	$1	$1
South Dakota	$450	$45	$0	$400 (2018)
Texas				
Washington				

Permitting System Features (1 of 2)

State	Self Issue	Local Roads	Credit Card	Escrow	State Reports	State-Defined Restrictions
Alaska	✓	✓	✓		✓	
Colorado	✓	✓	✓	✓	✓	✓
Oklahoma	✓	✓	✓	✓	✓	✓
North Dakota	✓		✓		✓	✓
South Dakota	✓		✓	✓	✓	✓
Texas	✓		✓	✓	✓	✓
Washington	✓		✓		✓	✓

Permitting System Features (2 of 2)

State	State-Defined User Authorization	Interface to CVIEW, E-Screening	Interface to USDOT#, UCR, etc.	Mobile App	Training Module	Other
Alaska			✓			
Colorado	✓	✓	✓		✓	
Oklahoma	✓	✓		✓		
North Dakota						ACH
South Dakota	✓	✓	✓		✓	
Texas	✓	in 2 years	in 2 years		✓	
Washington	✓			✓	✓	

Permitting System Wish List

State	Desired Features
Alaska	GIS routing
Colorado	Mobile device app
Oklahoma	More robust auditing and integrated reporting system
North Dakota	App with turn-by-turn directions for drivers
South Dakota	
Texas	In-cab navigation
Washington	Interface with e-screening Validation of vehicles & USDOT # Routing improvements based on map points & addresses

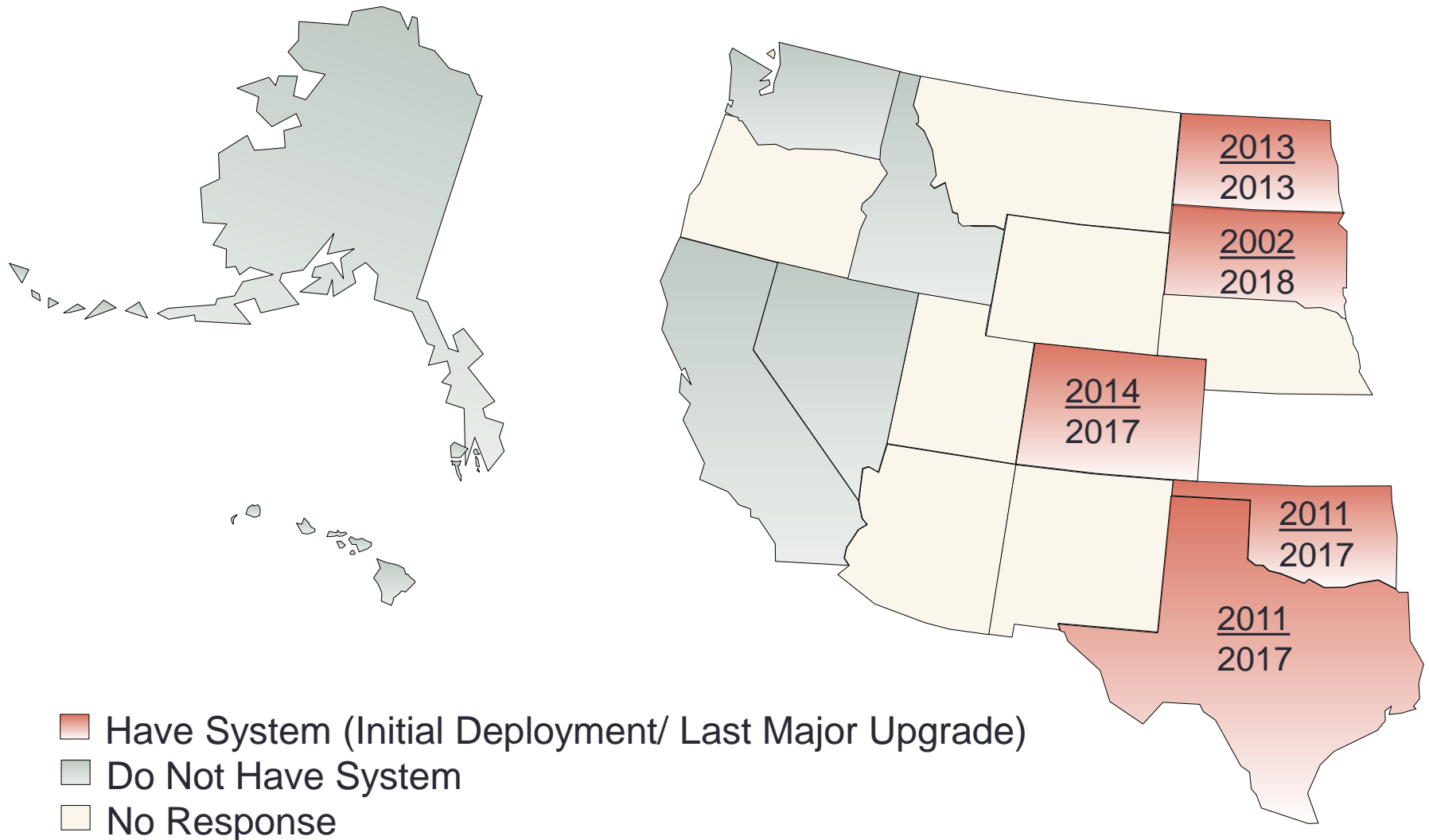# Other Users of Permitting System

State	Traffic Monitoring	Transportation Planning	Road or Bridge Design	Law Enforcement	Other
Alaska			✓	✓	
Colorado		✓	✓	✓	
Oklahoma				✓	DOT
North Dakota			✓	✓	
South Dakota			✓	✓	
Texas		✓	✓	✓	
Washington	✓	✓	✓	✓	

Permitting System Procurement

State	Hosting	Developed By	Vendor	Contract Period	Procure	Share RFP?	Allow View
Alaska	State	Agency					No
Colorado	Vendor	Custom COTS	---	---	---	---	Yes
Oklahoma	State	Vendor	Hexagon Intergraph	Indefinite, renewable	RFP	N/A	Yes
North Dakota	State	Agency					Yes
South Dakota	State	Custom COTS	Bentley Systems	Indefinite, renewable	RFP	Yes	Yes
Texas	Vendor	Vendor	ProMiles	3-5 years	RFP	Yes	Yes
Washington	State	Agency					No

OS/OW Routing System
Deployment & Last Major Upgrade

Have System (Initial Deployment/ Last Major Upgrade)
Do Not Have System
No Response

OS/OW Routing System
Estimated Upgrade & Replacement

Legend:
- **Have System (Upgrade/Replacement)**
- **Do Not Have System**
- **No Response**

Map labels:
- North Dakota: ___
- South Dakota: ___
- Colorado: 2018
- Oklahoma: 2018 / 2020
- Texas: 2018 / 2030
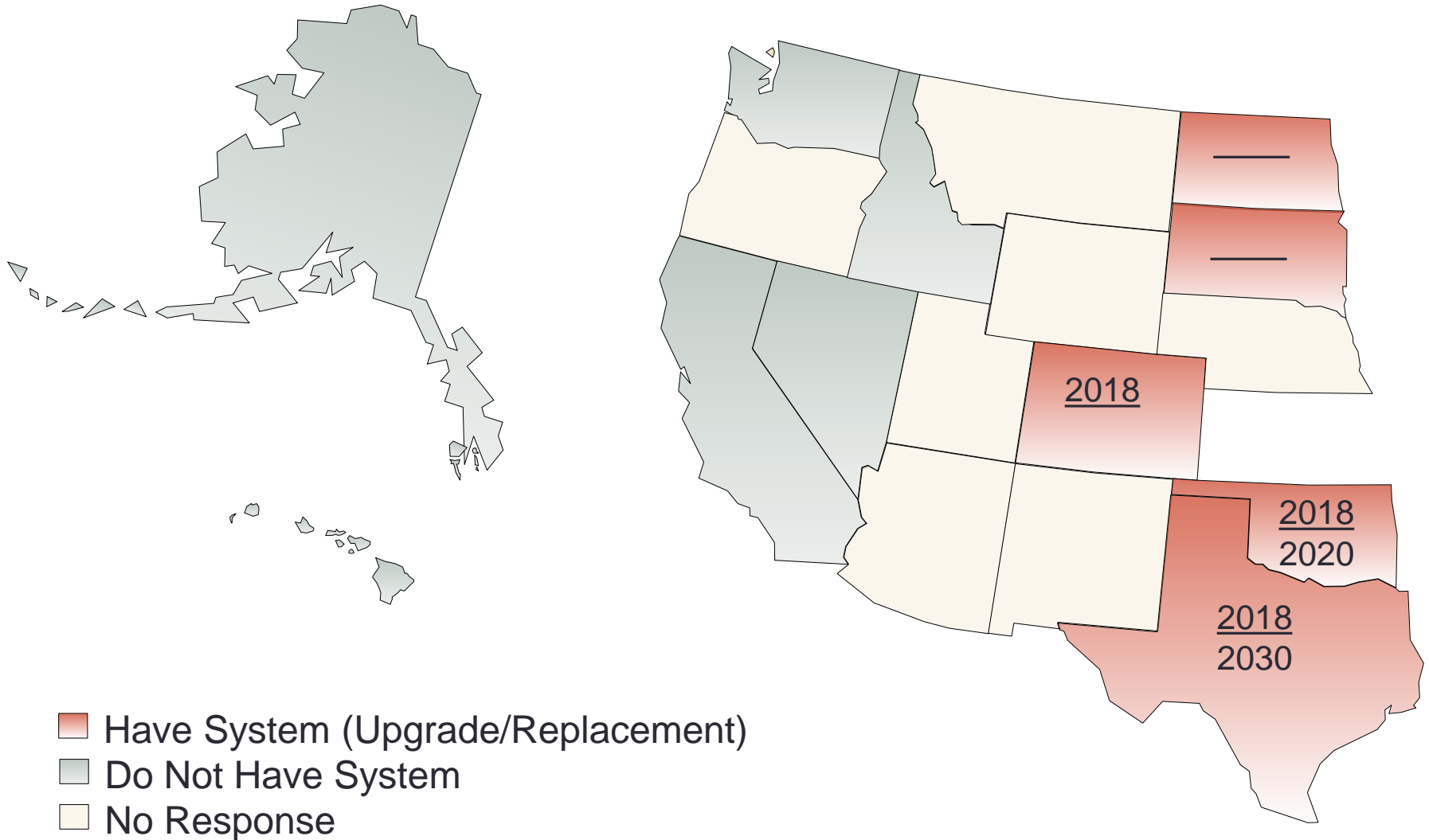
Routing System Costs ($K)

State	Initial Deployment	Annual Maintenance	Annual Hosting	Annual Enhancement
Colorado	w/permitting	w/permitting		
Oklahoma		$600		$900
North Dakota	$2,500			
South Dakota	$450	$45	$0	$400 (2018)
Texas				

Routing System Features (1 of 2)

State	Linked to Permitting System	Active Load Analysis	Local Roads	Ability to Test Routes
Colorado	Integrated	✓	✓	✓
Oklahoma	Integrated	✓	✓	✓
North Dakota	Linked	✓		✓
South Dakota	Integrated	✓		✓
Texas	Integrated			✓

Routing System Features (2 of 2)

State	Interface to CVIEW, E-Screening	Mobile Device App	Training Module	Other
Colorado	✓		✓	
Oklahoma	✓			
North Dakota				
South Dakota	✓		✓	
Texas			✓	

Routing System Procurement

State	Hosting	Developed By	Vendor	Contract Period	Procure	Share RFP?
Colorado	Vendor	Custom COTS	---	---	---	---
Oklahoma	State	Vendor	Hexagon Intergraph	Indefinite, renewable	RFP	N/A
North Dakota	Vendor	Vendor	ProMiles	Indefinite, renewable	RFP	No
South Dakota	State	Custom COTS	Bentley Systems	Indefinite, renewable	RFP	Yes
Texas	Vendor	Vendor	ProMiles	3-5 years	RFP	Yes

International Registration Plan System Deployment & Last Major Upgrade

2006

2010

2005
2017

☐ Have System (Initial Deployment/ Last Major Upgrade)
☐ Do Not Have System
☐ No Response
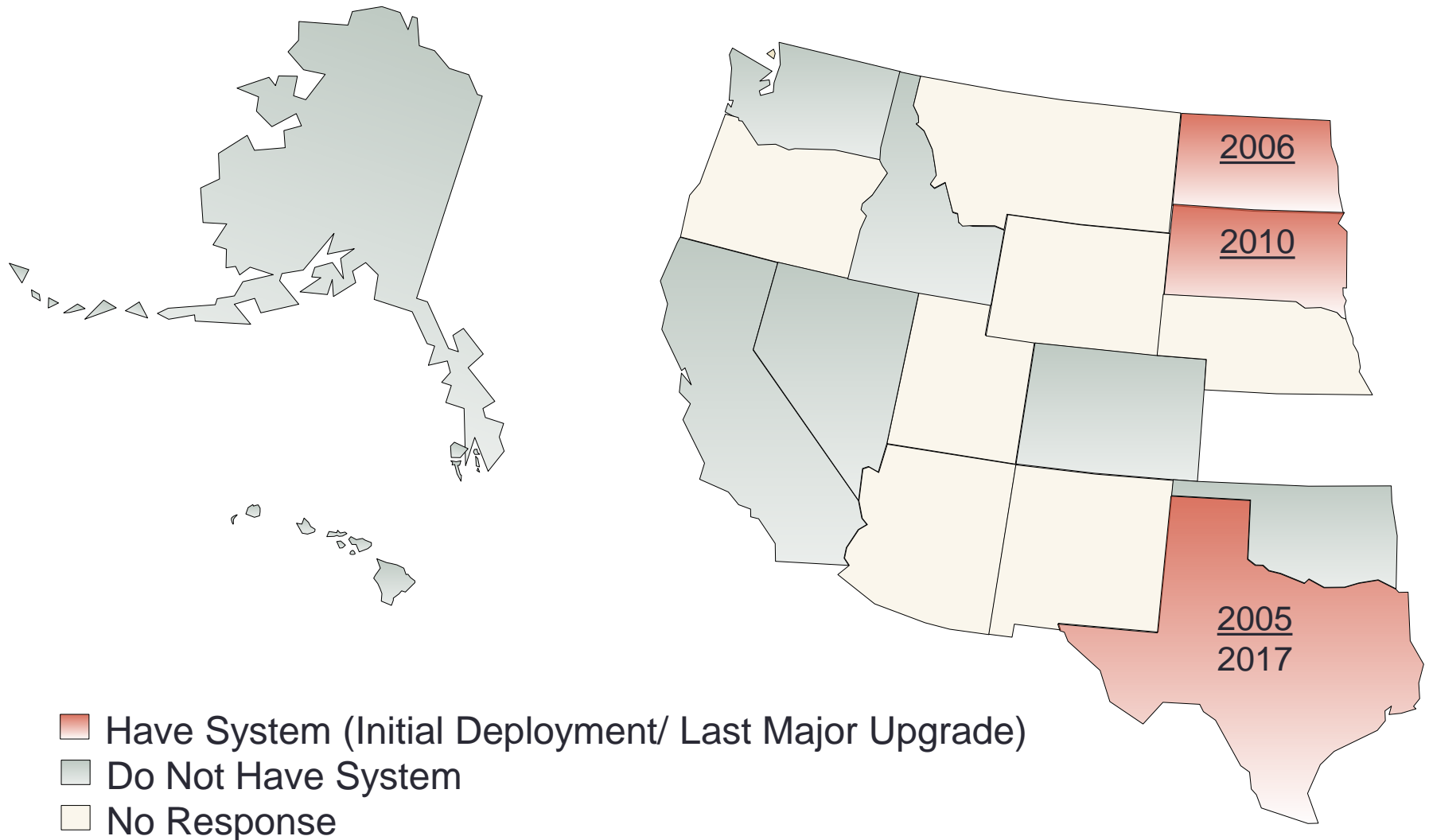
International Registration Plan System Estimated Upgrade & Replacement

Have System (Upgrade/Replacement)
Do Not Have System
No Response
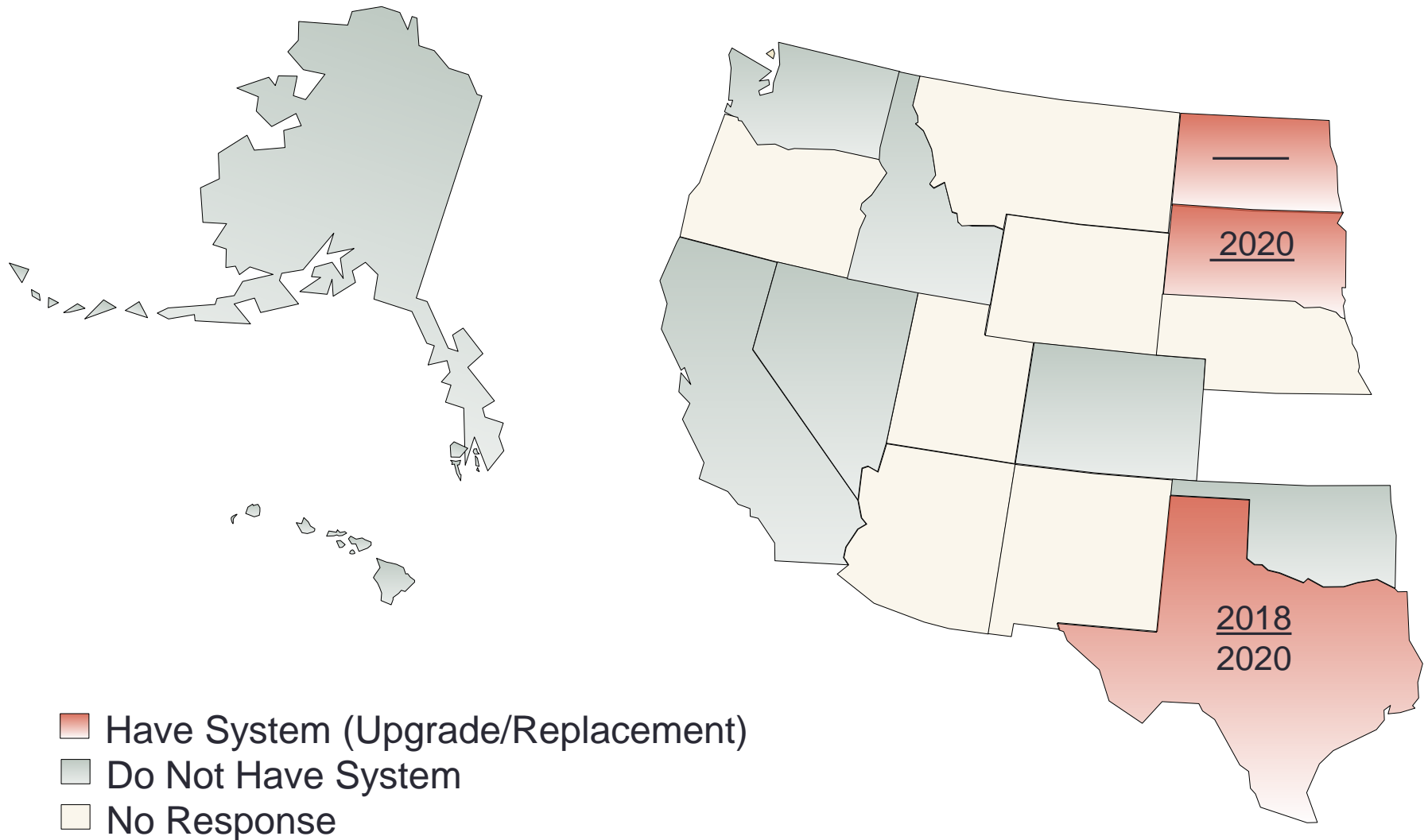
IRP System Costs ($K)

State	Initial Deployment	Annual Maintenance	Annual Hosting	Annual Enhancement
North Dakota	$625	$120	$25	$75
South Dakota	$945	$130	$0	~$15
Texas				

IRP System Features (1 of 2)

State	Self Issue	Credit Card	Escrow	State Reports	Interface to CVIEW, E-Screening	Interface to USDOT#, UCR, etc.
North Dakota	✓	✓		✓		
South Dakota	✓	✓		✓	✓	✓
Texas	✓	✓		✓	✓	✓

IRP System Features (2 of 2)

State	Map Interface	Communicate to Other Jurisdictions	Mobile App	Training Module	Other
North Dakota					
South Dakota		✓		✓	
Texas		✓		✓	

IRP System Procurement

State	Hosting	Developed By	Vendor	Contract Period	Procure	Share RFP?
North Dakota	State	Agency				
South Dakota	State	Custom COTS	Explore	Indefinite, renewable	RFP	Yes
Texas	State	COTS	Explore	2 years + up to 3 2-year renewals	RFP	Yes

International Fuel Tax Agreement System Deployment & Last Major Upgrade

2006
2010
2011
2011
—

Legend:
- Have System (Initial Deployment/ Last Major Upgrade)
- Do Not Have System
- No Response
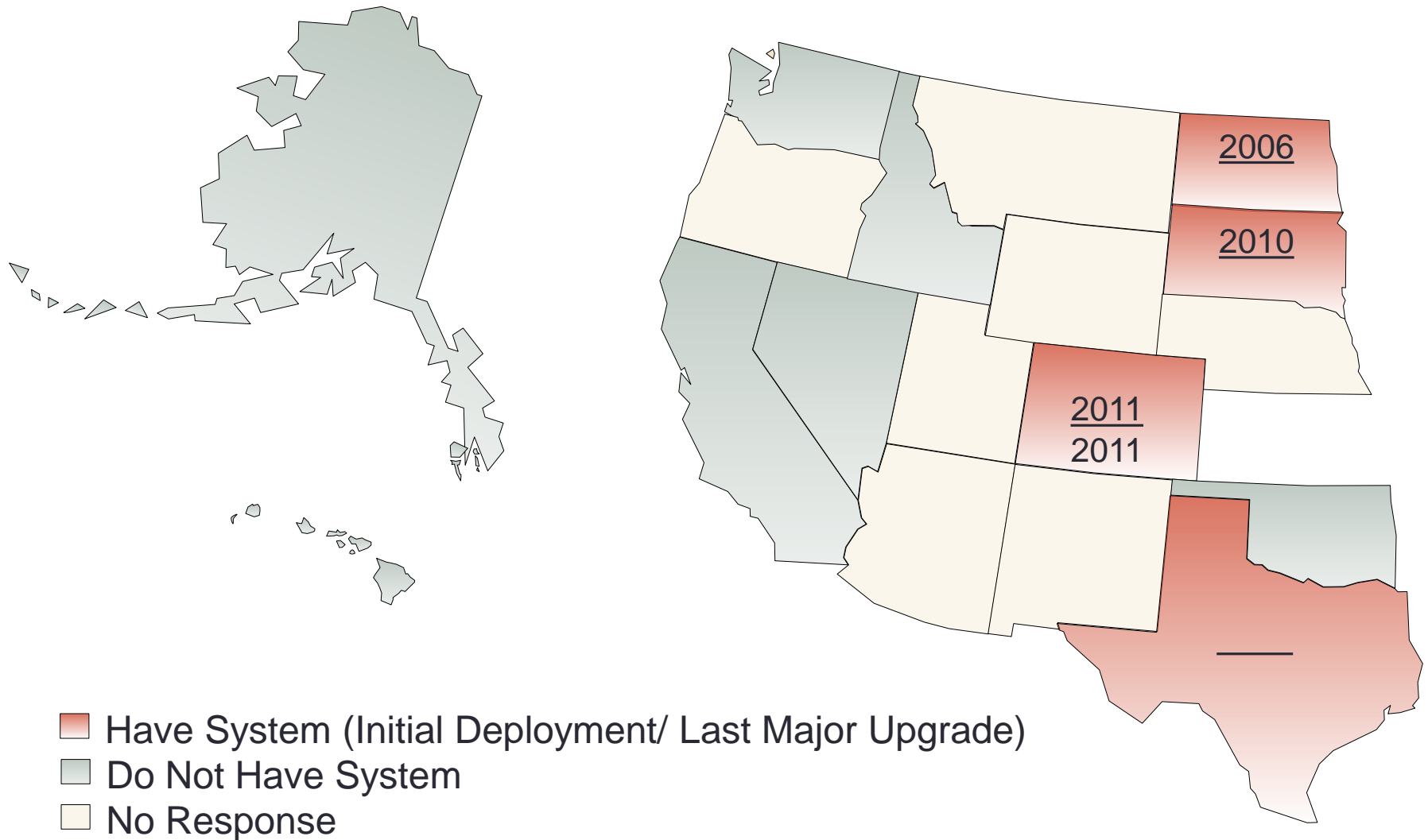
International Fuel Tax Agreement System Estimated Upgrade & Replacement

2020

Have System (Upgrade/Replacement)
Do Not Have System
No Response
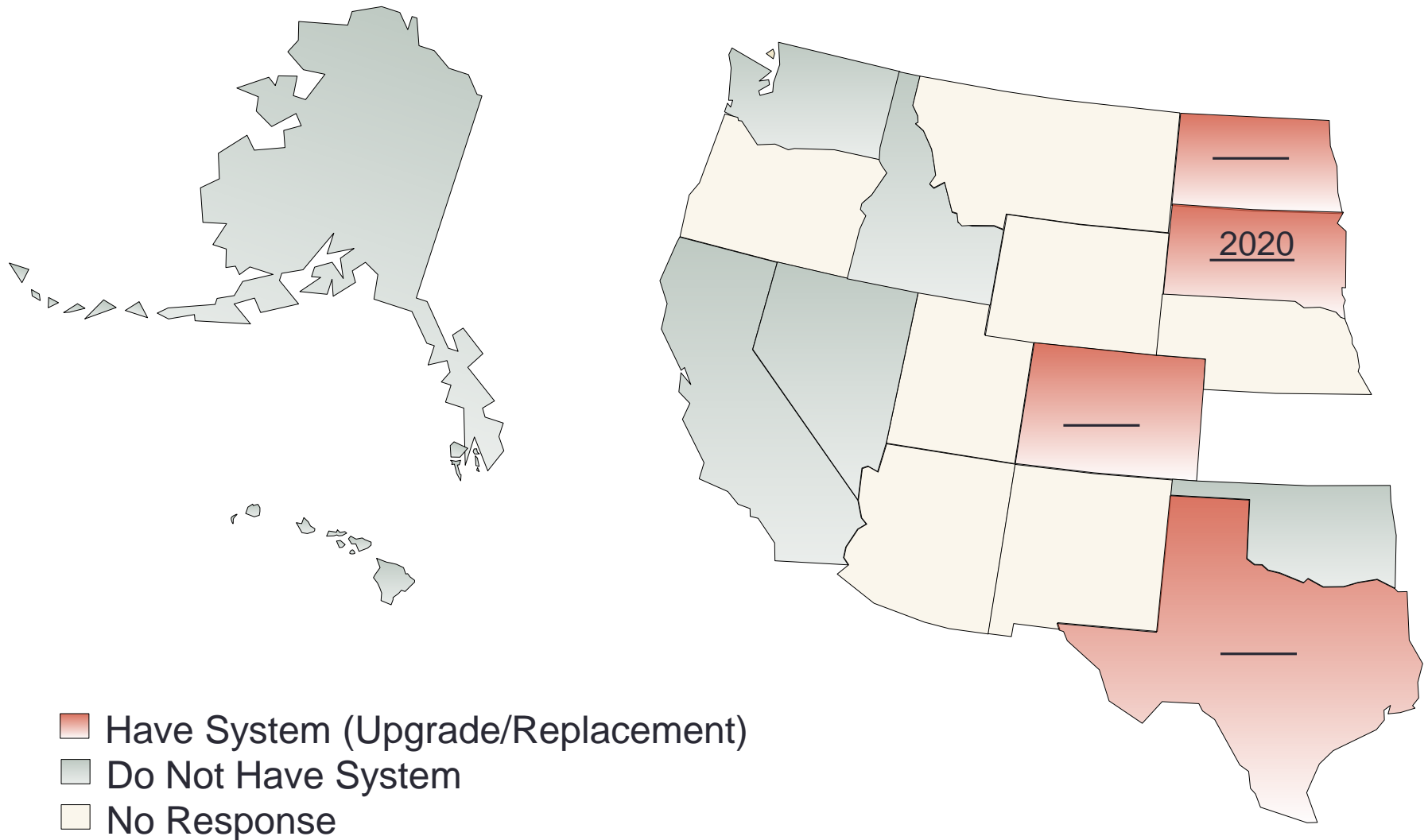
IFTA System Costs ($K)

State	Initial Deployment	Annual Maintenance	Annual Hosting	Annual Enhancement
Colorado				
North Dakota	$625	$120	$25	$75
South Dakota	$945	$130	$0	~$15
Texas				

IFTA System Features (1 of 2)

State	Linked to IRP System	Self Issue	Credit Card	Escrow	State Reports	Interface to CVIEW, E-Screening
Colorado	Integrated	✓	✓		✓	✓
North Dakota		✓	✓		✓	
South Dakota	Integrated	✓	✓		✓	✓
Texas						

IFTA System Features (2 of 2)

State	Interface to USDOT#, UCR, etc.	Map Interface	Communicate to Other Jurisdictions	Mobile App	Training Module	Other
Colorado			✓		✓	
North Dakota						
South Dakota	✓		✓		✓	
Texas						

IFTA System Procurement

State	Hosting	Developed By	Vendor	Contract Period	Procure	Share RFP?
Colorado	State	Custom COTS	Fast Enterprises	3-5 years	RFP	No
North Dakota	State	Agency				
South Dakota	State	Custom COTS	Explore	Indefinite, renewable	RFP	Yes
Texas						

Other Comments

- **CA:** Do not have permitting system. Permit applications submitted online and processed manually.

- **CO:** IRP & IFTA by Dept. of Revenue. CDOT OS/OW routing and permitting purchased as package.

- **ID:** Do not have permitting system, but discussing needs with vendors.

- **NV:** Plan RFP for OS/OW in spring. IFTA handled by DMV.

- **WA:** Permitting system developed 1999-2001; creates OS/OW & temporary trip/fuel permits; displays height limits and checks length/width/weight restrictions; user enters routes and segments. Used for construction, design, enforcement.

Survey Limitations & Questions

- Only 11 states responded (7 did not)
- IRP & IFTA data seem to be missing
  - Other state agencies?
  - No information system?
- Some unexpected responses
- Financial data hard to get

- Can more states respond?
- Are IRP & IFTA data available?

- Was survey terminology clear?

Questions?

- Please Contact

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- SDDOT

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