

OneCall Reporting

Spatial Buffering

Michael Ollom
DCP Midstream



One Call Process



DCP Midstream

Gas Gathering

Over 58,000 Miles

Covering 9 states

DCP Midstream's OneCall Areas



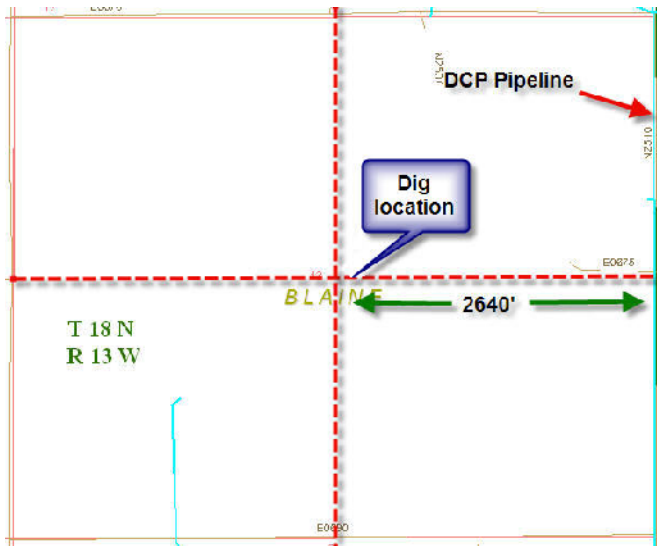
Arkansas
Colorado
Kansas
Louisiana
Michigan
New Mexico
Oklahoma
Texas
Wyoming

DCP Midstream's One Call Initiative

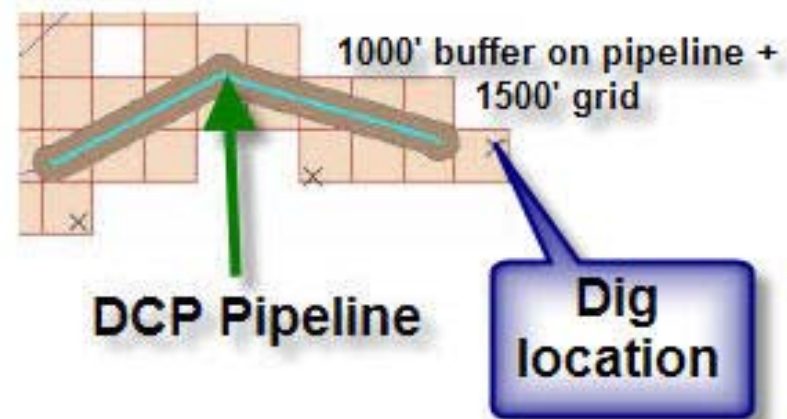
Phase 1: New Methodology for maintaining and updating DCP Midstream Pipelines to OneCall Centers

Previous OneCall Ticket Methods

Quarter Section Method Example: Colorado

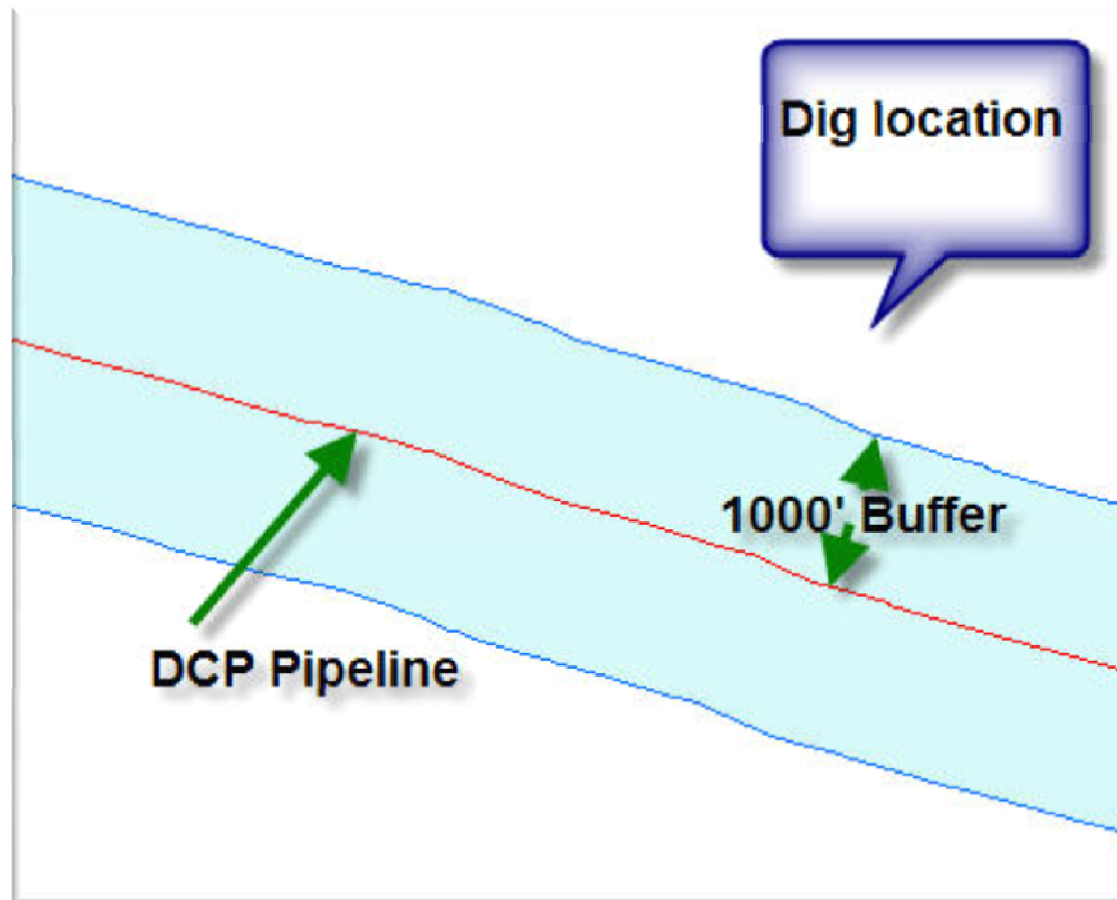


15 Second Grid Example: Texas



A New Methodology

Spatial Buffering



What are the Benefits of Spatial Buffering?

Money

Man-hours

Equipment

DCP Midstream OneCall Team

Members	Role
Tommy Thomas	Lead
Trisha Menasco	Lead
Kristy Underwood	Lead
Paula Brinkley	Kansas, Oklahoma
Scott Horner	Oklahoma
Skip Harris	Oklahoma
Kyle Tosh	Texas, Oklahoma
Marta Smith	Texas, New Mexico, Louisiana
Chuck Hill	Colorado, Wyoming, Michigan
Michael Ollom	GIS IT

State Criteria

Dial 811	Arkansas	Texas	Oklahoma	Kansas
One Call Name	Arkansas One Call	Texas Excavation Safety System	Oklahoma One Call Systems	Kansas One Call
Website	http://www.arkonecall.com	http://www.digtess.com	http://www.callokie.com	http://www.kansasonecall.com
Address	2120 Maple Ridge Circle	11880 Greenville Avenue, Suite 120	2831 N. W. 59th Street	8100 East 22nd Street North - Bldg 2300
City	Conway	Dallas	Oklahoma City	Wichita
State	Arkansas	Texas	Oklahoma	Kansas
Zip	72034	75243	73112	67226
GIS Contact	Christine Crawford	Brenda Sattler	Naomi Martinez	Peggi Nicholas
Phone	501-328-2540	972-231-3316 ext 7801	405-840-9955 ext 7170	316-687-2102
E-mail	ccrawford@arkonecall.com	brendasattler@digtess.org	dbmaint@callokie.com	pnicholas@occinc.com
Technical	Kristin Bryant	Aaron Sanchez	Leslie Carter	Marcus Corbin
Phone	501-328-2545	972-280-8637	405-840-9955 ext 7183	316-687-2102
E-mail	kbryant@arkonecall.com	aaronsanchez@digtess.org	dbmaint@callokie.com	marcus@occinc.com
Is agency staffed 24/7	yes	yes	yes	yes
Does state have required positive response	yes	yes	yes, not enforced	yes
Positive response required back to One Call	no	no	no	no
OneCall Ticket Software	GeoCall	GeoCall	GeoCall	One Call Concepts
OneCall GIS Software	ArcGis 9.2	ArcGis 9.1 & 9.2 & MapInfo	ArcGis 9.2	MSL for One Call Concepts
Accept Shape Files	yes	yes	yes	yes
Polyline	yes	yes	yes	no
Polygon	yes	yes	yes	Yes
Does One Call force Buffer	no	no	yes, 500 feet both sides	no
Required Projection	no	no	no	no
Preferred Projection	WGS84	WGS84	WGS84	any
Go live Confirmation	yes	yes	yes	yes
Minimum go live time frame	72 hours	2 weeks	72 hours	10 days
Does agency have online submittal	yes	yes	yes	yes
Full or partial update	both	both	both	both
Mapping ticket method				
Street Address	1	1	1	1
Nearest intersection	2	2	2	2
Lat / lon	3	3	3	3
Will legal be used (1/4 sec)	4		4	

Converting to Spatial Buffering



DCP Midstream's OneCall Initiative

Phase 2: Automatic Updates of DCPMidstream's OneCall Buffers

Why Automatic Buffering?

Centralize OneCall Data

**Faster updates to OneCall
Centers**

Mitigates Human Error

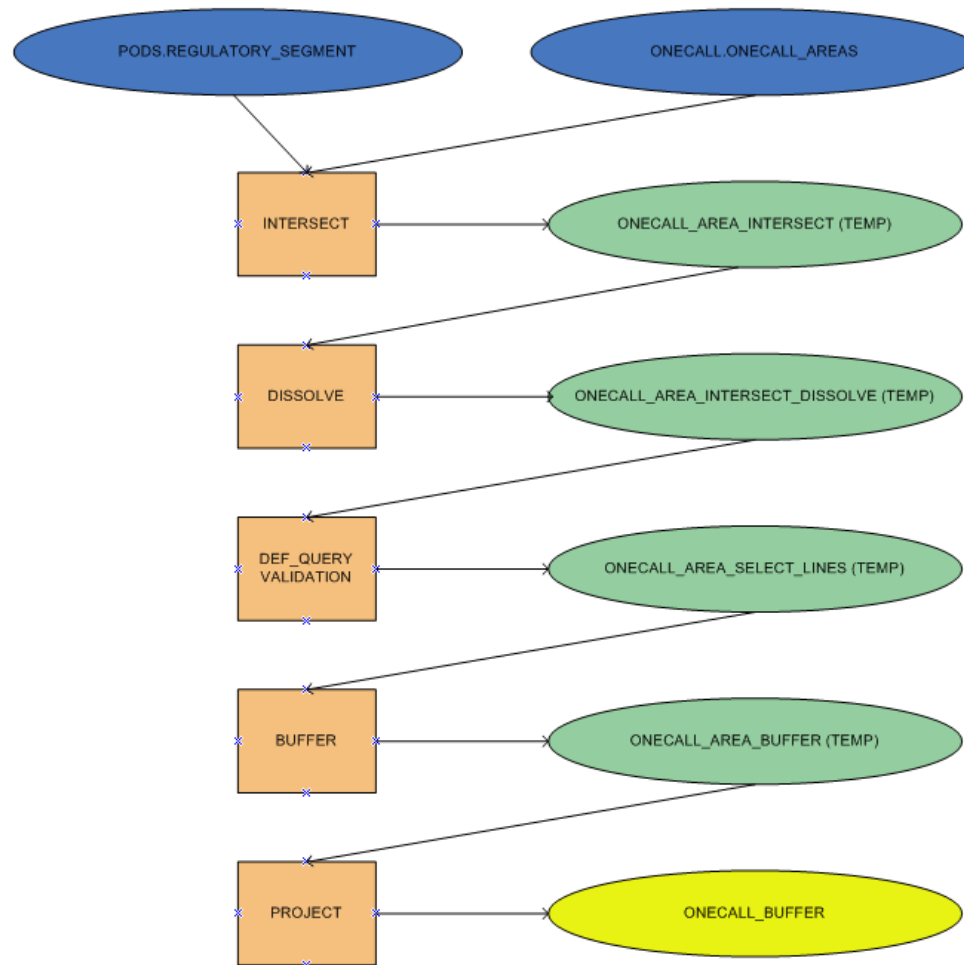
Less GIS Man-hours

Creates Possibility of Tracking

OneCall Spatial Logic Flow

DCP Daily Automated Buffer Process

Monday, May 18, 2009



One Call Development Stages

ArcMap Model Builder

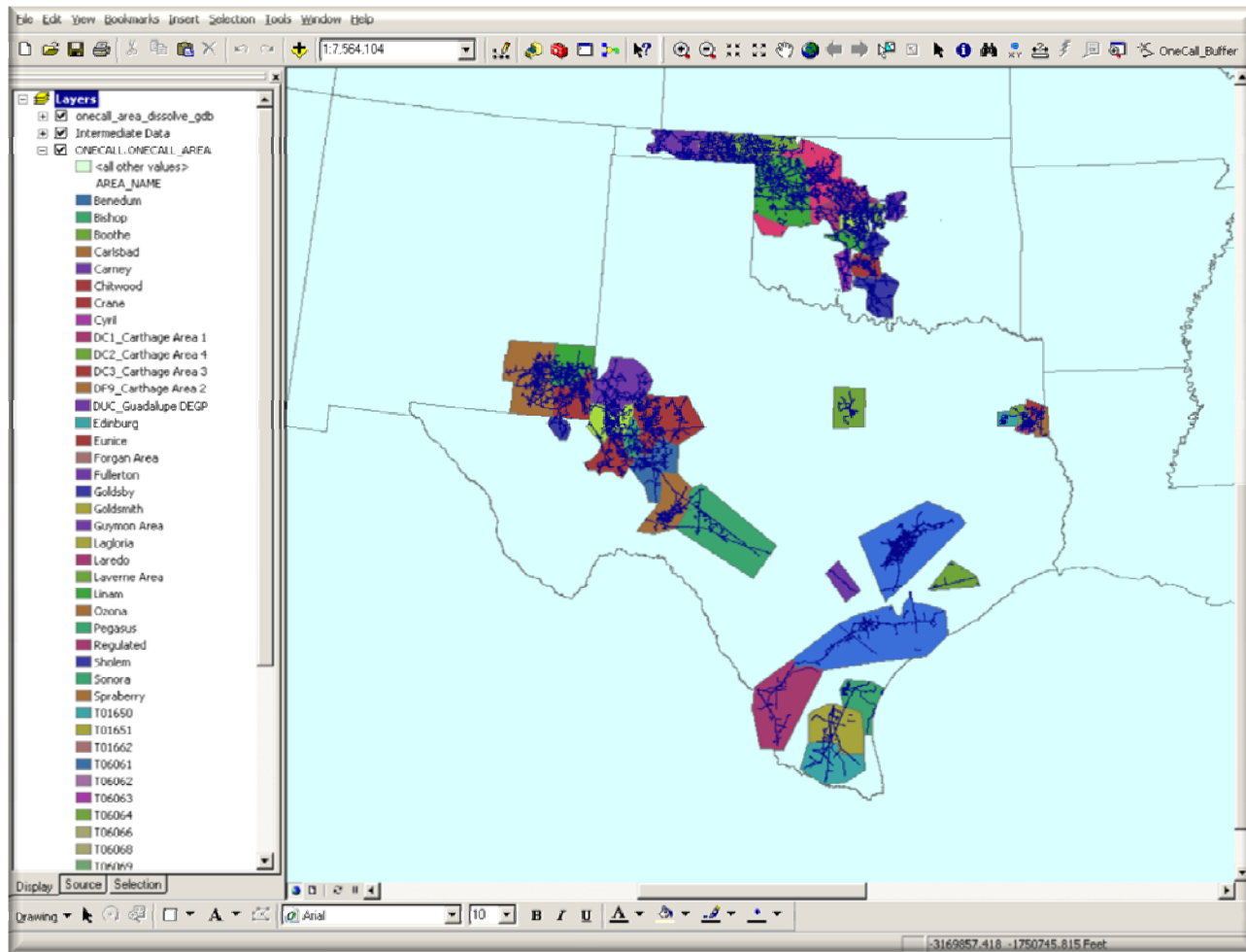


ArcMap ArcObjects

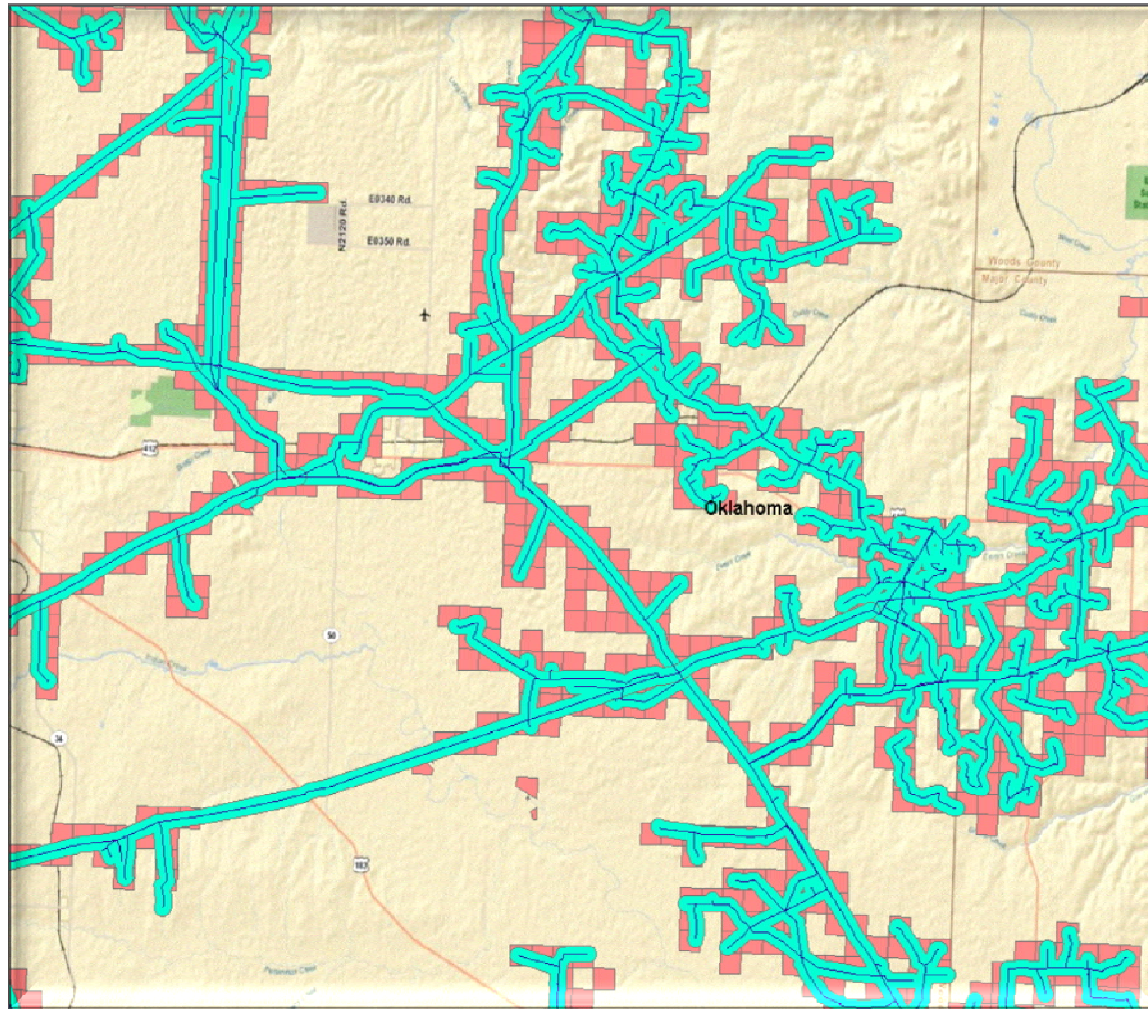


Visual Studio .Net

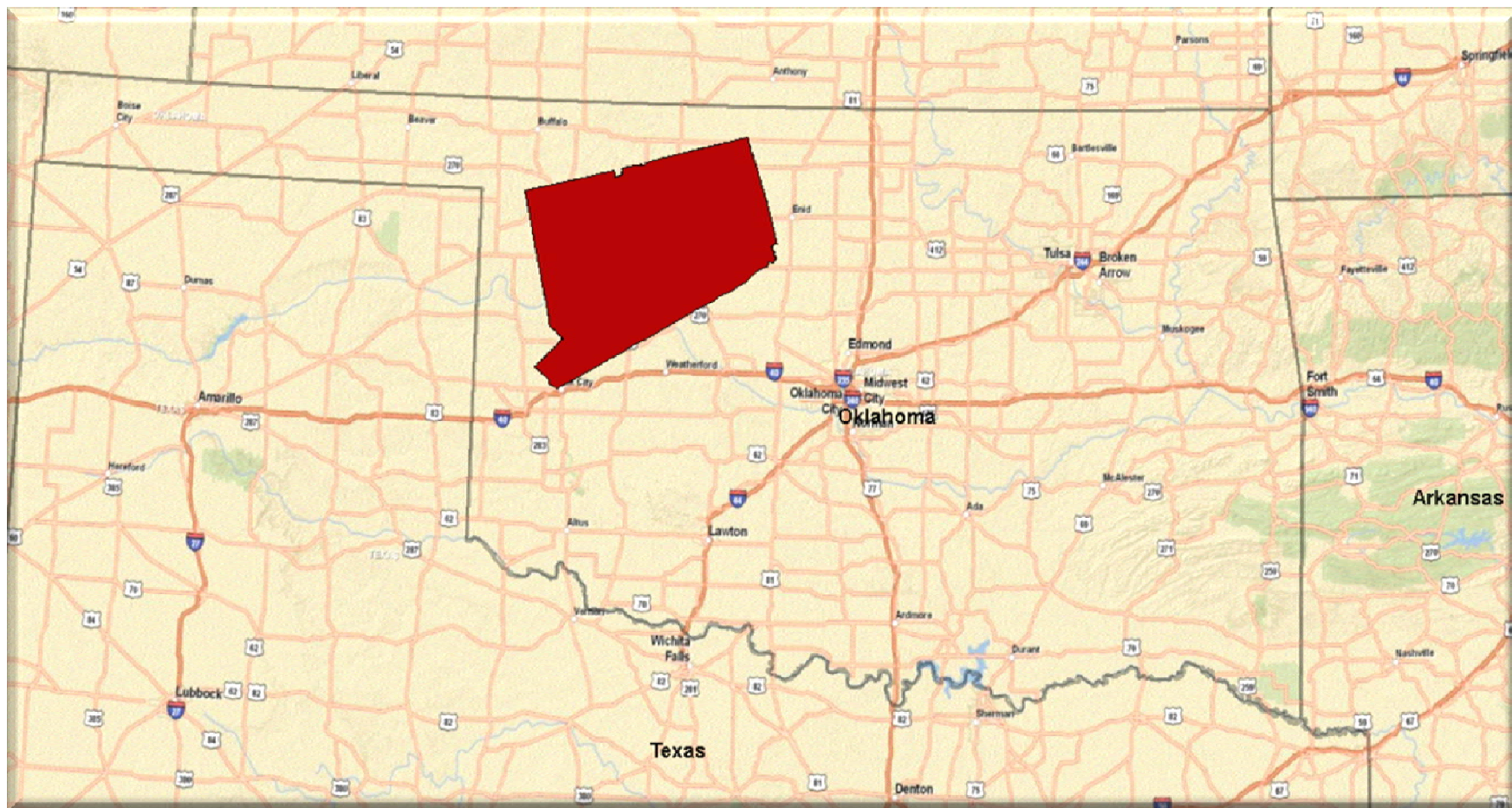
Proof of Concept and Testing



What is the End Result?



A Savings of Over 5,000 Sq Miles for Oklahoma Alone



Some Spatial Buffering Impacts

New Mexico alone received approximately 500 fewer OneCall Tickets for the first quarter of 2009

Between 2008 to 2009, an overall reduction of 18% fewer tickets having to be processed by DCPMidstream during the first quarter.

Questions and Answers

Michael Ollom
DCP Midstream

