

AMI Assets - Build Metrics

All data should be cumulative. Project data pertains to the assets or programs that are funded by the ARRA and Recipient Cost Share. System data should include both project data and any like assets or programs that are deployed in the entire service territory. The system value should be equal to or greater than the project value.

AMI End Points Installed

	Units	Project	System
End Points (meters) installed and operational	#	10,337	
Portion of customers with AMI: residential	#	100	
Portion of customers with AMI: commercial	#	100	
Portion of customers with AMI: industrial	#	100	

Implemented Meter Features

	Units	Project	System
Reading interval for residential meters	minutes	60	
Reading interval for commercial meters	minutes	60	
Reading interval for industrial meters	minutes	60	
Remote Connect/Disconnect: is feature implemented?	yes/ no	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote Connect/Disconnect: number of meters with feature implemented	#	598	
Outage Reporting: is feature implemented?	yes/ no	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Outage Reporting: number of meters with feature implemented	#		
Power Quality Measurement: is feature implemented?	yes/ no	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Power Quality Measurement: number of meters with feature implemented	#		
Tamper Detection: is feature implemented?	yes/ no	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tamper Detection: number of meters with feature implemented	#		
[REDACTED]	yes/ no		
Other feature: number of meters with feature implemented	#		
[REDACTED]	yes/ no		
Other feature: number of meters with feature implemented	#		
[REDACTED]	yes/ no		

Implemented Meter Features

Other feature: number of meters with feature implemented

Units	Project	System
#		

Implemented Enterprise Integration

Billing System: is integration complete?

Customer Information System: is integration complete?

Outage Management System: is integration complete?

Distribution Management System: is integration complete?

Other Enterprise Systems: is integration complete?

Units	Project	System
yes/ no	<input type="checkbox"/>	<input checked="" type="checkbox"/>
yes/ no	<input type="checkbox"/>	<input checked="" type="checkbox"/>
yes/ no	<input type="checkbox"/>	<input checked="" type="checkbox"/>
yes/ no		<input type="checkbox"/>
yes/ no	<input type="checkbox"/>	<input checked="" type="checkbox"/>

AMI System Descriptions

	Project	System
Backhaul Network	Complete all 15 substations communicating with a mix of radio and satellite.	
Meter Communication Network	Installed using PLC.	
Headend System	Complete all 15 substations.	
Meter Data Management System	Not installed yet. Change to NISC CIS scheduled for September 2012 and MDMS expected to complete early 2013.	

Project	09-0321	Pacific Northwest Generating Cooperative (Advanced Meter Infrastructure Implementation)		
Filing	build_quarterly	Build Metrics Quarterly Report Quarter 1, 2012		
Period	Start: Jan 1, 2012	End: Mar 31, 2012	Submission Due Date:	April 30, 2012

AMI System Descriptions

	Project	System
Meter Data Analysis	Not installed yet. Change to NISC CIS scheduled for September 2012 and MDMS expected to complete early 2013.	

AMI Enterprise Integration Descriptions

	Project	System
Billing System	NISC CIS billing servers are installed and change over is scheduled for September 2012.	

AMI Enterprise Integration Descriptions

	Project	System
Customer Information System	NISC CIS billing servers are installed and change over is scheduled for September 2012.	
Outage Management System	NISC is scheduled to install Outage Management early fall of 2012.	
Distribution Management System		
Other Enterprise Systems		
Additional Project Descriptions		

AMI Installed Costs

	Units	Project Funded	Cost Share
Back Office Systems	\$		
Communications Equipment	\$		
AMI Smart Meters	\$		

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AMI Installed Costs

Other Costs

Units

\$

Project Funded

Cost Share

Other Costs Description

Project management and consulting

Customer Systems Assets - Build Metrics

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Implemented Customer Systems

In-Home display: devices installed

Direct Load Control Devices: devices installed

Programmable Communicating Thermostats: devices installed

Smart Appliances: devices installed

Energy Management Devices/Systems: devices installed

Units	Project	System
#	0	
#	0.0	
#	0	
#		
#		
#		
#		

Web Portal

Web portal: Is portal in production?

Customers with access

Customers with active accounts

Units	Project	System
yes/ no	<input type="checkbox"/>	<input checked="" type="checkbox"/>
#		
#		

Customer System Descriptions

	Project	System
In-Home Displays		

Customer System Descriptions

	Project	System
Direct Load Control Devices	N/A	N/A
Programmable Communicating Thermostats		
Smart Appliances		
Energy Mgmt Systems		
Web Portal	Web portal will be implemented after NISC CIS is installed in September.	
Home Area Network		

Customer System Descriptions

Project	System

Additional Project Descriptions

Customer System Installed Costs

Back Office Systems
Web Portals
In-Home Displays
Direct Load Control Devices
Smart Appliances
Programmable Communicating Thermostats

Units	Project Funded	Cost Share
\$		
\$		
\$		
\$		
\$		
\$		
\$		

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Customer System Installed Costs

Units	Project Funded	Cost Share
\$		
\$		
\$		

Other Costs

Other Cost Description

Pricing Programs - Build Metrics

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Implemented Rate Plans	Units		Project	System
Flat Rate: is the pricing program available?	yes/	no		
Flat Rate: number of customers with access	#			
Flat Rate: number of customers enrolled	#			
Flat Rate with Critical Peak Pricing: is the pricing program available?	yes/	no		
Flat Rate with Critical Peak Pricing: number of customers with access	#			
Flat Rate with Critical Peak Pricing: number of customers enrolled	#			
Flat Rate with Peak-Time Rebate: is the pricing program available?	yes/	no		
Flat Rate with Peak-Time Rebate: number of customers with access	#			
Flat Rate with Peak-Time Rebate: number of customers enrolled	#			
Tiered Rate: is the pricing program available?	yes/	no		
Tiered Rate: number of customers with access	#			
Tiered Rate: number of customers enrolled	#			
Tiered Rate with Critical Peak Pricing: is the pricing program available?	yes/	no		
Tiered Rate with Critical Peak Pricing: number of customers with access	#			
Tiered Rate with Critical Peak Pricing: number of customers enrolled	#			
Tiered Rate with Peak-Time Rebate: is the pricing program available?	yes/	no		
Tiered Rate with Peak-Time Rebate: number of customers with access	#			
Tiered Rate with Peak-Time Rebate: number of customers enrolled	#			
Time of Use Rate: is the pricing program available?	yes/	no		<input type="checkbox"/>
Time of Use Rate: number of customers with access	#			

Implemented Rate Plans

	Units	Project	System
Time of Use Rate: number of customers enrolled	#		
Time of Use Rate with Critical Peak Pricing: is the pricing program available?	yes/ no		
Time of Use Rate with Critical Peak Pricing: number of customers with access	#		
Time of Use Rate with Critical Peak Pricing: number of customers enrolled	#		
Time of Use Rate with Peak-Time Rebate: is the pricing program available?	yes/ no		
Time of Use Rate with Peak-Time Rebate: number of customers with access	#		
Time of Use Rate with Peak-Time Rebate: number of customers enrolled	#		
Real-time Pricing: is the pricing program available?	yes/ no		
Real-time Pricing: number of customers with access	#		
Real-time Pricing: number of customers enrolled	#		
Real-time Pricing with Critical Peak Pricing: is the pricing program available?	yes/ no		
Real-time Pricing with Critical Peak Pricing: number of customers with access	#		
Real-time Pricing with Critical Peak Pricing: number of customers enrolled	#		
Real-time Pricing with Peak-Time Rebate: is the pricing program available?	yes/ no		
Real-time Pricing with Peak-Time Rebate: number of customers with access	#		
Real-time Pricing with Peak-Time Rebate: number of customers enrolled	#		
Variable Peak Pricing: is the pricing program available?	yes/ no		
Variable Peak Pricing: number of customers with access	#		
Variable Peak Pricing: number of customers enrolled	#		
Pre-pay Pricing: is the pricing program available?	yes/ no		
Pre-pay Pricing: number of customers with access	#		
Pre-pay Pricing: number of customers enrolled	#		
Net Metering: is the pricing program available?	yes/ no		

Implemented Rate Plans

	Units	Project	System
Net Metering: number of customers with access	#		
Net Metering: number of customers enrolled	#		
Other program available	yes/ no	<input type="checkbox"/>	<input type="checkbox"/>
Other programs: number of customers with access	#		
Other programs: number of customers enrolled	#		
Other program available	yes/ no	<input type="checkbox"/>	<input type="checkbox"/>
Other programs: number of customers with access	#		
Other programs: number of customers enrolled	#		
Other program available	yes/ no	<input type="checkbox"/>	<input type="checkbox"/>
Other programs: number of customers with access	#		
Other programs: number of customers enrolled	#		

Rate Plan Descriptions

	Project	System
Flat Rate		
Flat Rate with Critical Peak Pricing		

Rate Plan Descriptions

	Project	System
Flat Rate with Peak Time Rebate		
Tiered Rate		
Tiered Rate with Critical Peak Pricing		
Tiered Rate with Peak Time Rebate		
Time of Use Rate		N/A
Time of Use Rate with Critical Peak Pricing		

Rate Plan Descriptions

	Project	System
Time of Use Rate with Peak Time Rebate		
Real-Time Rate		
Real-time Rate with Critical Peak Pricing		
Real-time Rate with Peak Time Rebate		
Variable Peak Pricing		
Pre-paid Rate		

Rate Plan Descriptions

	Project	System
Net Metering Rate		
Other program		
Other program		
Other program		
Additional Project Descriptions		

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