







Task 1	Status	&	Del	ivera	bles
	otatuo	-			NICC

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10	Task 1: Analytics on integrations approaches and	2	008		200	09			20	010			20	011			20	12		2013
	impact of Distributed Resources		Q4	21	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q	1 Q2	Q3	Q4	Q1	Q2	Q3 (24	Q1 Q2
1	1.1 Develop Regional Profiles																			
2	1.2 Develop Integration Framework																			
3	1.3 Identify & Evaluate Analytical Tools																			
4	1.4 Develop and Evaluate Approaches for CO2 impact]					
5	1.5 Develop Framework for Economic Assessments	1					ב													
6	1.6 Develop Scope and Mapping of SG Projects	1																		

Task	Product ID	Description	Date
1.1	1020312	Regional Drivers & Barriers to DER Integration	Dec/Jan
1.2	1020313	DER Integration Framework	Dec/Jan
1.3	1020385	DER Ops & Planning Tools Analysis	Dec/Jan
1.4	1016905	The Green Grid: CO2 Reduction by a SG	Now
1.5	1020342	Cost Benefit Assessment Framework	Dec/Jan
1.6	1018945	Smart Grid DER Project Assessment	Now

	Tas	sk 2 Stat	us & Delive	erables		
ID	Та	ask 2: Critical Integrati	on Technologies & Systems	2008 2009 Q4 Q1 Q2 Q3 Q4	2010 2011 4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	2012 2013 Q1 Q2 Q3 Q4 Q1 Q2
1	2.1 Arc	hitecture Reference Des	sign for DER Integration			
2	2.2 Dev	velop DER Information E	Exchange Models			
3	2.3 Dev	velop Comm Interfaces a	ads & Tools			
5	2.5 Dev	velop DER Controller Re	quirements			
6	2.6 Lab	Trials of Critical Integra	tion Technologies			
Г	ask	Product ID	Description			Date
2	2.1	1020340	Architecture Refere	ence Design fo	or DER	Jan/Feb
2	2.1	1020343	Utility Reference G	uide to NIST S	Smart Grid Roadmap	Dec/Jan
2	2.3	1020311	Decision Support for wholesale markets	or DR Trigger. . Proof of Con	. Connect retail to cept	Dec/Jan
2	2.4	1020314	DER Aggregation I	Methods & Too	ols	Dec/Jan
2	2.5	1020342	DER Controller Re	quirements		Dec/Jan
_		1020213	BTES/TVA Smart	Water Heater	Tech. Overview	Now
2	2.6					
2	2.6 2.6	TBD	PV Inverter Comm	unication Spec	cification	Feb/Mar

ID Ta	sk 3: Demonstrate Techn	ologies & Systems in	2008	2009 20	10	2011	2012	2013
	Actual Applic	cations	Q4 Q1 0	Q2 Q3 Q4 Q1 Q2	Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 0	24 Q1 Q2
1 3.1 Pr	pject Definitions and Object	tives						
2 3.2 AL	onomic Analysis	dology – Ose case dev.						
4 3.4 Ca	indidate Technology Select	tion						
5 3.5 La	boratory Assessment of Te	chnologies						
6 3.6 De	tailed Application Plan for	Field Demonstrations						
7 3.7 Fi	eld Data Collection & Asses	ssment						
last	Dred ID	Description		Dred ID				
lost	Prod. ID	Description		Prod. ID	De	scription		
ΑEP	1020226	Overview or "2-	Pager"	1020188	SG Project Description			
Con Ed	1020227	Overview or "2-	Pager"	1020190	SG	Project Des	scription	
- DF	1020228	Overview or "2-	Pager"	1020191	SG Project Description			
DF	1020220		ago.		SG Project Description			
irstEner	gy 1020229	Overview or "2-	Pager"	1020189	SG	Project Des	cription	
EDF FirstEner	gy 1020229 1020230	Overview or "2- Overview or "2-	Pager" Pager"	1020189 1020187	SG SG	Project Des Project Des	cription	
irstEner NM Fask	1020229 gy 1020229 1020230 Prod. ID	Overview or "2- Overview or "2- Description	Pager" Pager"	1020189 1020187	SG SG	Project Des Project Des	scription scription	ate
EDF FirstEnerg PNM Γask 3.1	IO20220 gy 1020229 1020230 Prod. ID 1020225 1020225	Overview or "2- Overview or "2- Description Smart Grid Dem	Pager" Pager" onstratio	1020189 1020187 00 Project Ove	SG SG erview	Project Des Project Des	scription scription D	ate
EDF FirstEner PNM Γask 3.1 3.6	IO20220 gy 1020229 1020230 Prod. ID 1020225 1020354	Overview or "2- Overview or "2- Description Smart Grid Dem AEP Smart Grid	Pager" Pager" onstratio	1020189 1020189 1020187 on Project Over	SG SG erview eport	Project Des Project Des	scription scription D No Ja	ow an/Feb
FirstEner PNM Task 3.1 3.6 3.6	IO20220 gy 1020229 1020230 Prod. ID 1020225 1020354 1020355 1020355	Overview or "2- Overview or "2- Description Smart Grid Dem AEP Smart Grid Con Edison Sma	Pager" Pager" onstratio Host Sit	1020189 1020187 on Project Over the Progress R Host Site Prog	SG SG erview eport gress	Project Des Project Des / Report	scription scription D Nu Ja	ow an/Feb an/Feb
-DF FirstEner PNM Task 3.1 3.6 3.6 3.6	IO20220 gy 1020229 1020230 Prod. ID 1020225 1020354 1020355 1020352	Overview or "2- Overview or "2- Description Smart Grid Dem AEP Smart Grid Con Edison Sma FirstEnergy Sma	Pager" Pager" onstratio Host Sin art Grid I	1020189 1020187 on Project Ove te Progress R Host Site Prog	SG SG erview eport gress gress	Project Des Project Des / Report Report	scription scription D Ja Ja	an/Feb an/Feb an/Feb

Task 4 Status & Deliverables

6	T 1 1 1 1 1 1 1 1	20	08		20	09	2010				2011				2012				2013		
	Task 4: Technology Transfer	0	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1	4.1 Quarterly Workshops																				
2	4.2 Coordination w/DOE, EPA, etc																				
3	4.3 Industry Standards Development Participation																				
4	4.4 Use Case and Requirements Repository	C																			
5	4.5 Technology Library				C																
6	4.6 Publications																				

Task	Product ID	Description	Date
4.1	No ID	3 Meetings/Year and Webcasts, 6 Newsletters	Ongoing
4.2	1018926	Proceedings: Integration of DER RD&D, Nice France	Now
4.2	1020303	International Smart Grid Projects	Dec/Jan
4.2	1020287	DOE Smart Grid Projects, Including RDSI	Dec/Jan
4.2	1020214	Strategic Intelligence Update (Conferences/Events)	Now
4.3	1020384	Integration of IntelliGrid into NIST Knowledgebase	Dec/Jan
4.4	Website	Use Case Requirements Repository	Now
		EF	

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(Expect 8-12 in tota	I. ALL F	PROPOSALS MUST E	BE SUBMITTED B	BY APRIL 15)
Start Proposal	Ho	st Site Selection	Timeline	Present Qualified
Review Process No Later Than	2009 Q4	2010 Q1	Q2 Q3	Proposal at EPRI BOD Meeting
August 21, 2009	-			November 18, 2009
January 8, 2010		• • • • • • • • • • • • • • • • • • •		April 6, 2010
April 15, 2010				August 3, 2010
			47154070	
Host-Si	te Sele	ction Cycle. Require	es <u>AT LEAST</u> 3	months
		Month 1 (1+ month strongly preferred)	Month 2	Month 3
Utility Draft Proposal				
EPRI Technical Revie	ew			
Peer Review				









