Demand Response Markets Training Course Agenda
(Subject to adjustment as necessary based on class needs)
Hosted by NV Energy, Las Vegas, Nevada
May 8-10 2017

Instructor: Dr. Scott Coe, GridOptimize

DAY 1: 12:00 noon - 5:00 PM		
12:00 pm	1:00 pm	*Check in and lunch in the room*
Welcome and Introductions		
1:00 PM	1:30 PM	*Welcome, Mark Martinez, Southern California Edison and PLMA Education Planning Group Co-Chair; Christine Riker, Energy Solutions and PLMA Planning Group Co-Chair with host Michael Brown, Berkshire Hathaway NV Energy, PLMA Vice-Chair*
Module 1: Market Fundamentals		
1:30 PM	1:40 PM	Electricity Markets Fundamentals
1:40 PM	1:55 PM	Defining Demand Response
1:55 PM	2:40 PM	Quantifying Demand Response
2:40 PM	3:00 PM	*Break*
Module 2: Demand Response Fundamentals		
3:00 PM	3:30 PM	Economics
3:30 PM	4:00 PM	Resource Configuration
4:00 PM	4:45 PM	Process Modeling
4:45 PM	5:00 PM	Wrap-up Day 1, Q&A
6:00 - 7:30 PM Unhosted Networking Dinner - Rhythm Kitchen		
DAY 2: 7:30 AM - 5:00 PM		
7:30 AM	8:00 AM	*Light Breakfast*
Module 3: Energy Markets		
8:00 AM	8:30 AM	Measurement & Verification
8:30 AM	9:00 AM	Energy Market Examples
9:00 AM	9:30 AM	Settlement Issues
9:30 AM	10:15 AM	***Activity: Role Play Energy Market***
10:15 AM	10:30 AM	*Break*
Module 4: Emergency & Capacity Markets		
10:30 AM	11:00 AM	Emergency Programs

11:00 AM	11:30 AM	Capacity Markets
11:30 AM	12:00 AM	Capacity Market Examples
12:00 PM	12:30 PM	*Activity: Role-Play Capacity Market*
12:30 PM	1:00 PM	*Lunch in the loft*
Module 5: Ancillary Services & Price Response		
1:00 PM	1:30 PM	Ancillary Service Markets
1:30 PM	2:30 PM	*Activity: Role-Play Ancillary Service*
2:30 PM	3:00 PM	Price-Responsive Demand
3:00 PM	3:15 PM	*Break*
Module 6: Impacts from Storage & Renewables		
3:15 PM	3:45 PM	Wholesale-Retail Overlap
3:45 PM	4:15 PM	Demand-Side Resources
4:15 PM	4:45 PM	Future Uncertainty
4:45 PM	5:00 PM	Wrap-up Day 2, Q&A
6:00 - 7:30 PM Unhosted Networking Dinner - Sammy's		
DAY 3: 7:30 AM - 1:00 PM		
7:30 AM	8:00 AM	*Light Breakfast*
Module 7: Enabling Technologies		
8:00 AM	8:30 AM	Tools & Techniques
8:30 AM	9:00 AM	Communication Standards
9:00 AM	9:30 AM	Parting Thoughts
9:30 AM	9:45 AM	*Break*
9:45 AM	10:45 AM	**PLMA Mentor Round-Table and Open Discussion**
10:45 AM	11:15 AM	Exam
11:15 PM	12:00 PM	Exam review
12:00 pm	1:00 pm	*Lunch in the room*