



On peak 2,597 kWh x \$0.373000 = \$967.11
 Mid peak 1,235 kWh x \$0.810000 = \$1,000.50
 Energy - Summer
 On peak 9,873 kWh x \$0.012500 = \$123.41
 Mid peak 11,910 kWh x \$0.010000 = \$119.10
 Off peak 12,338 kWh x \$0.007500 = \$92.54
 Energy - Winter
 Mid peak 5,624 kWh x \$0.012500 = \$70.30
 Off peak 8,434 kWh x \$0.007500 = \$63.26
 Customer charge

Power factor adjustment
 DWR bond charge 42.00
 (continued on next page)

Your Delivery charge
 \$272.05 transmi
 \$2,588.51 distrib
 \$22.99 nuclear
 \$240.17 public
 Franchise fees repr
 Your Generation ch
 Transmission Charge

CSBWG – Spectrum of Oversight (f) and Time Requirements (g) subgroup: Meeting 2 – Distribution Planning Group (DPRG) Structure and Time Requirements

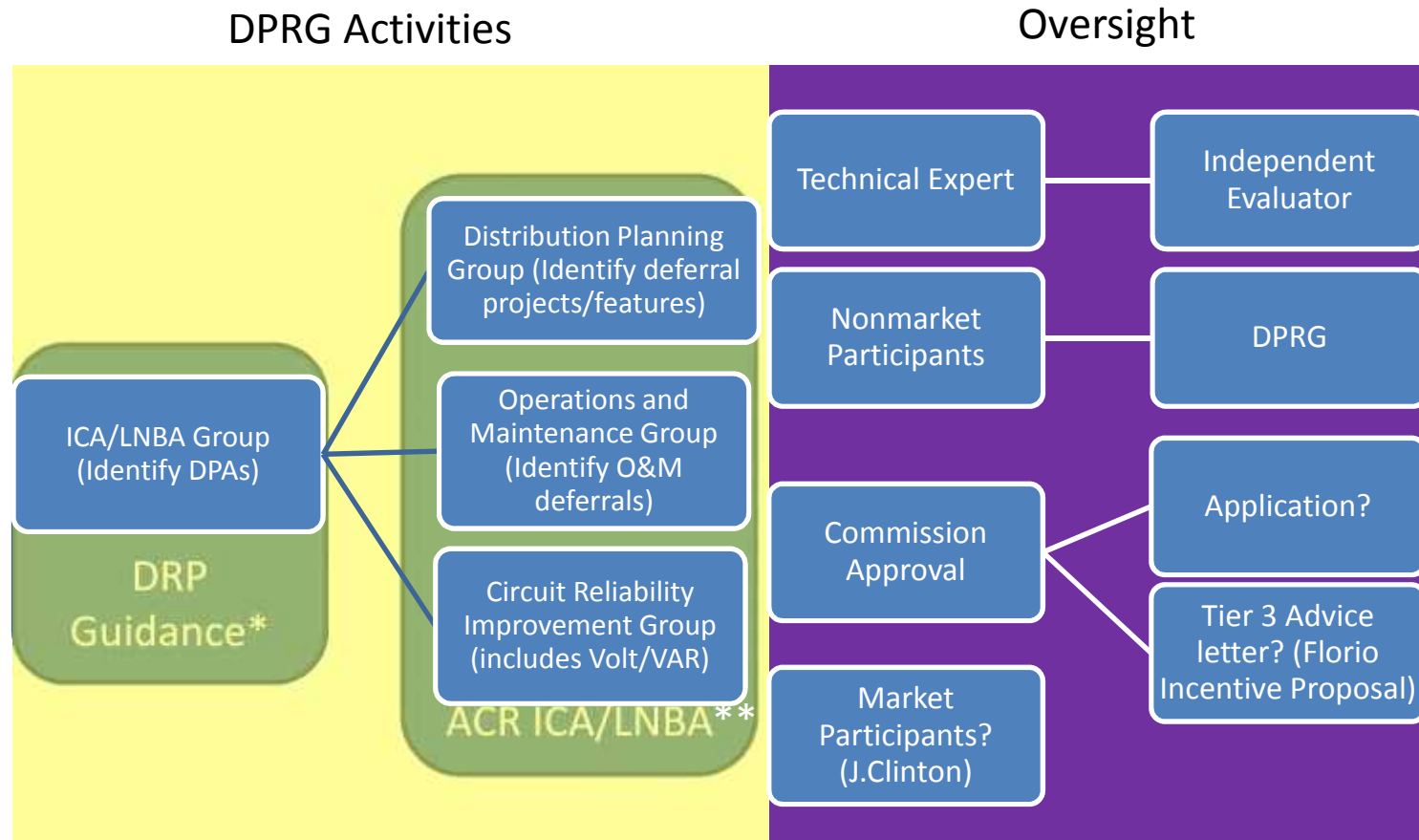
Presented By: Zita Kline, Senior Analyst
June 30, 2016

On peak 2,597 kWh x \$0.373000 = \$967.11
 Mid peak 1,235 kWh x \$0.07981 = \$98.57
 Off peak 798 kWh x \$0.07981 = \$63.69
 Facilities related demand 360 kW x \$1,84000 = \$662,400

Index

- AL = Advice Letter
- DER = Distributed Energy Resources
- DPA = Distribution Planning Area
- DPRG = Distribution Planning Review Group
- DRP = Distributed Resource Plan
- ICA = Integration Capacity Analysis
- IOU = Investor-Owned Utility
- LNBA = Locational Net Benefits Analysis
- MP = Market Participants
- NMP = Non-Market Participants
- PRG = Procurement Review Group
- RFO = Request for Offers

Spectrum of Oversight - DPRG



* DRP Guidance, Attach. p. 12, (“The output of [phase 2a] will be “Distributed Energy Resource Development Zones” (could be Distribution Planning Areas) that can be associated with locational values. In these zones, additional DER portfolios would be defined using the process of value optimizations.)

** Projects Identified according to:

- deferral start date a) 1.5-3 year near-term forecast, b) 3-5 year intermediate-term forecast, c) 5-10 year long-term forecast and d) >10 year ultra-long term forecast . ACR ICA/LNBA (May 2, 2016), p. 28.
- Current distribution planning schedule (IOU Joint proposal)

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PRG/DPRG Activities

PRG

(D.02-08-071, D. 07-12-052 (2007))

1. PRG is an advisory group to review and assess details of the IOUs overall procurement strategy.
2. PRG recommendations are advisory and nonbinding, and no participants in the PRG process give up any rights associated with future litigation of issues addressed in PRGs.
3. Meet quarterly in person, monthly by web conference, and as needed.
4. Meeting schedule and agenda posted publicly. No meeting slides posted publicly.

DPRG

(Check that apply)

- Distribution planning - Identify traditional distribution upgrade, maintenance, operational needs.
- DPA determination using ICA/LNBA
- Identify projects for distribution deferral through DER.
- Review RFO contracts for compliance with distribution grid technical specification.
- Direct solicitation of DER deferral projects (else through existing PRG).
- Feedback loop mechanism for improvement? IOU RFO Principle 12. CSFWG Status Report (Jun. 1, 2016), p. 6.



PRG v. DPRG Timing Requirements

PRG

- Timing
 - Regularly scheduled monthly meetings with non-market participants (NMPs), timeframe in hours.
 - Quarterly meetings in-person with NMPs, timeframe is all-day.

DPRG

- Monthly or quarterly?
- In-person or web conference?
- Within PRG meeting or separately?
- See examples A,B and C for potential DPRG schedules coincident with Commission procurement authorization structures for Tier 3 ALs and Applications.



DPRG Participants

1. Non-Market Participants (previously discussed)

2. Market Participants

Potential Bidders in RFO process.

- DER Developers
- Trade Groups



(Example A) Florio IOU Incentive Proposal Scenario – Theoretical Timeline

(ACR requires at least one Tier 3 advice letter submitted to Commission every 6 months)

Month	Integration Capacity Update	Distribution Planning Area Determination*	Project – Distribution Planning Process	Project – Operations & Maintenance	Project – Circuit Reliability	Tier 3 Advice Letters
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

* Use Locational Net Benefits Analysis (LNBA). Optimal Locations defined according to DRP Final Guidance. Assigned Commissioner Ruling on Guidance for P.U. Code § 769 – Distribution Resource Planning (Feb. 2, 2015), Att. p. 15.



(Example A) Florio IOU Incentive Proposal Scenario – Theoretical DPRG Structure
 (ACR requires at least one Tier 3 advice letter submitted to Commission every 6 months)

Month	Distribution Planning Area Determination	Distribution Deferral Project Selection	Tier 3 Advice Letter Filing	DPRG Meeting – Non market Participants	DPRG Meeting – Market Participants
1				1	
2				2	
3				3*	1*
4				4	
5				5*	2*
6				6	
7				7	
8				8	
9				9*	3*
10				10	
11				11*	4*
12				12	

* potentially in-person meetings w/ first portion including Market Participants.



**(Example B) DER Distribution-Deferral Procurement Plan,
Annual Filing Scenario – Theoretical Timeline**

Month	Integration Capacity Update	Distribution Planning Area Determination	Project – Distribution Planning Process	Project – Operations & Maintenance	Project – Circuit Reliability	Application
1	Dark Gray	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
2	Dark Gray	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
3	Dark Gray	Dark Gray	Light Blue	Light Blue	Light Blue	Light Blue
4	Dark Gray	Dark Gray	Light Blue	Light Blue	Light Blue	Light Blue
5	Light Blue	Light Blue	Dark Gray	Dark Gray	Dark Gray	Light Blue
6	Light Blue	Light Blue	Dark Gray	Dark Gray	Dark Gray	Light Blue
7	Light Blue	Light Blue	Dark Gray	Dark Gray	Dark Gray	Light Blue
8	Light Blue	Light Blue	Dark Gray	Dark Gray	Dark Gray	Light Blue
9	Light Blue	Light Blue	Dark Gray	Dark Gray	Dark Gray	Light Blue
10	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Dark Gray
11	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Dark Gray
12	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Dark Gray



(Example B) DER Distribution-Deferral Procurement Plan, Annual Filing Scenario – Theoretical DPRG Structure

Month	Distribution Planning Area Determination	Distribution Deferral Project Selection	Tier 3 Advice Letter Filing	DPRG Meeting – Non market Participants	DPRG Meeting – Market Participants
1				1	
2				2	
3				3	
4				4*	1*
5				5	
6				6	
7				7*	2*
8				8	
9				9	
10				10*	3*
11				11	
12				12	

* potentially in-person meetings w/ first portion including Market Participants.

