

Resource Adequacy Advisory Committee

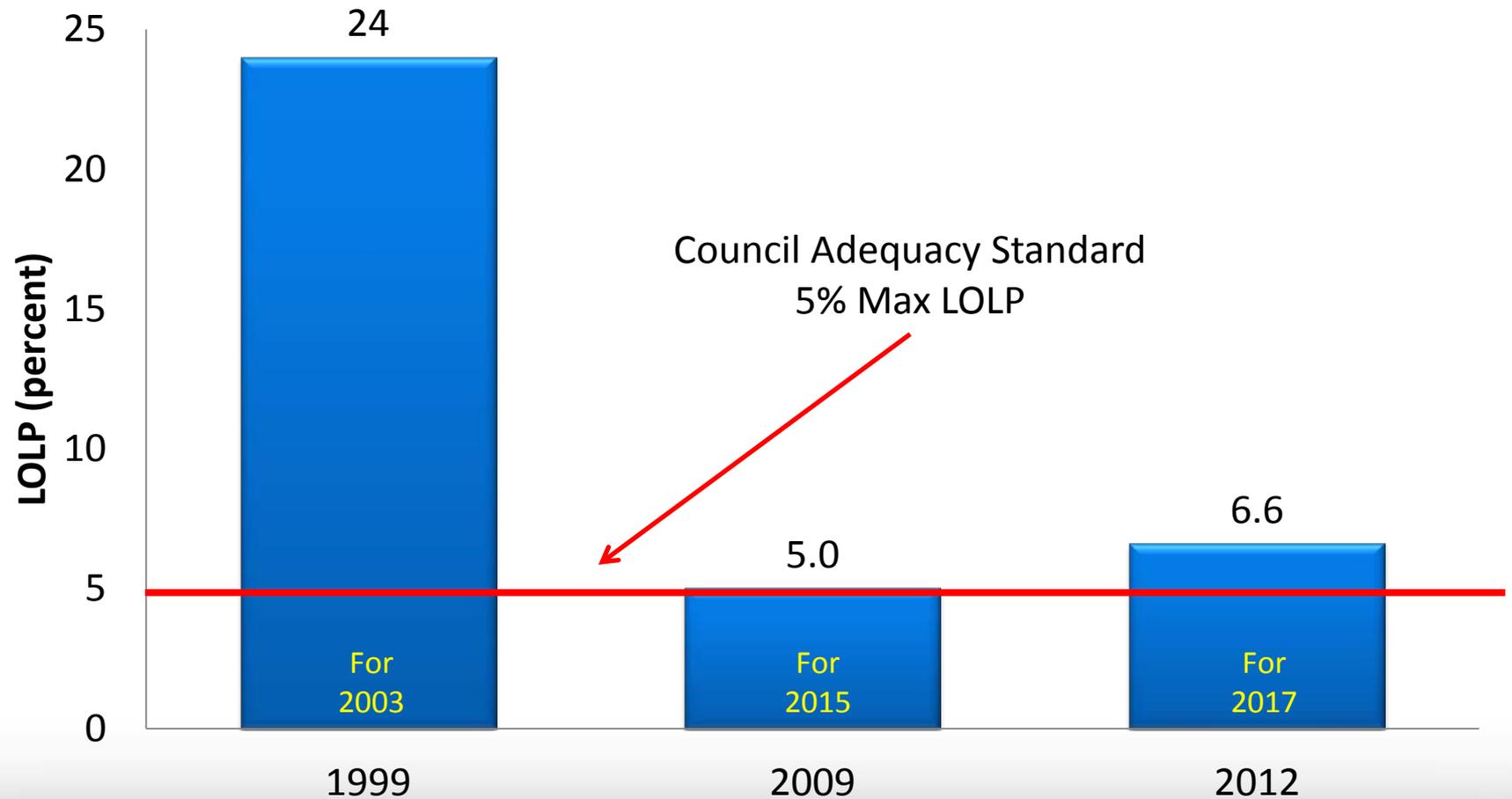
Updated 2017 Assessment and Schedule for 2019 Assessment

Technical Committee Meeting
March 21, 2014

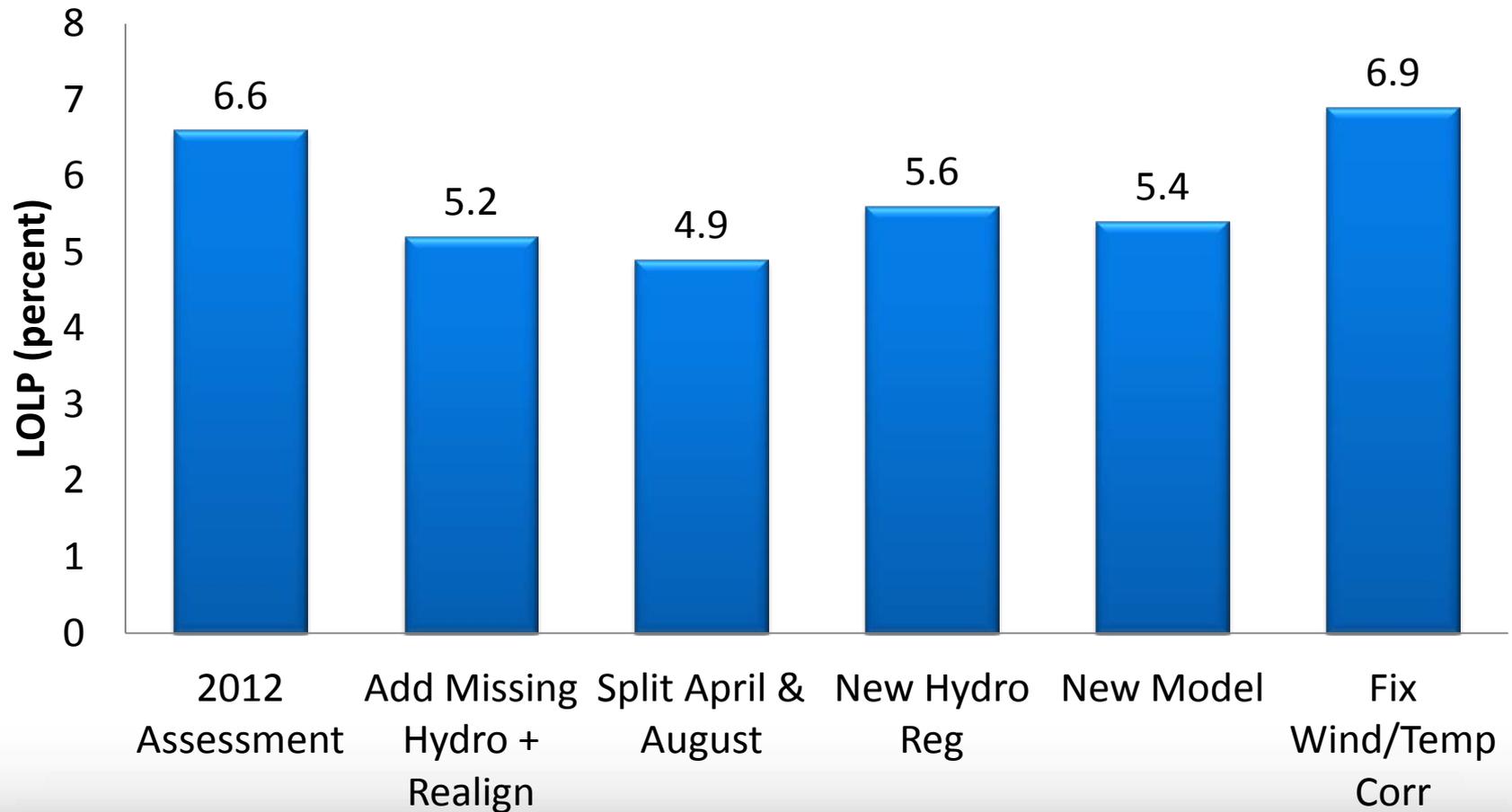
General Topic Outline

- **History of NW adequacy assessments**
- **2017 assessment revisited**
- **Effects of load and market uncertainties**
- **Continuing challenges**
- **Improving the model**
- **Revised 2019 schedule**

History of Adequacy Assessments



2017 Assessment Revisited



Effects of Load and Market Uncertainties

No Market

Low Load
-2.5%



High Load
+2.5%



High Market
3200 MW

8.4%				16.8%
		6.6%		
2.8%				7.8%

Continuing Challenges

- Increasing complexity of power system
- Peaking/capacity issues are growing
- Methodology varies across the industry
- GENESYS originally built for energy but is being reviewed for its ability to also answer capacity questions
- **Expect continued volatility in results**

Improving the Model

- **In Progress**
 - NW topography change from 2 to 3 nodes
 - Nodal peak as function of nodal energy
- **Being Considered/Tested**
 - Weekly hydro energy shapes
 - Developing a plant-specific hourly dispatch

Schedule for 2019 Assessment

Mar 21st	Apr 4th	Apr 8th	Apr28-May2	May 14th
Technical	Review data and modeling changes, preliminary 2019 assessment			
	Steering	Review major assumptions, preliminary 2019 assessment		
		Council Power Committee	Major changes since 2017 assessment Preliminary 2019 assessment	
			Joint Tech and Steering?	Review final 2019 assessment
				Council Final 2019 assessment