

DOCKET

12-IEP-1D

DATE MAY 14 2012

RECD. MAY 21 2012

California Energy Commission IEPR Workshop Interconnection of Renewable Projects in California May 14, 2012

Panel 3, Near Term Approaches, Tools and Methods

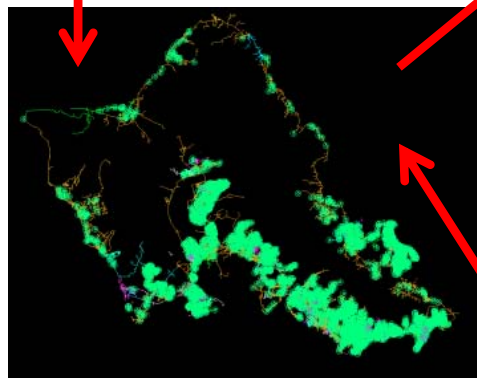
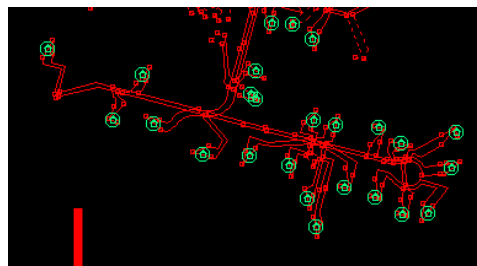
Ron Davis

Director, Transmission and Distribution

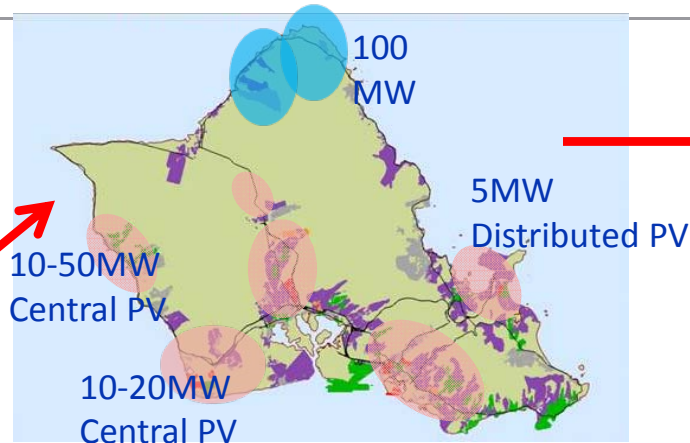


MANAGING RISK

Enable Ability to Evaluate Impacts from DG to System back to DG Level Across the Islands



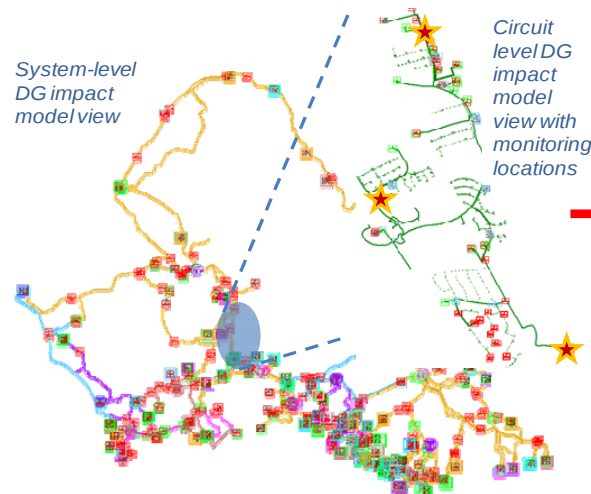
Develop complete island-wide distribution model with DG generation included



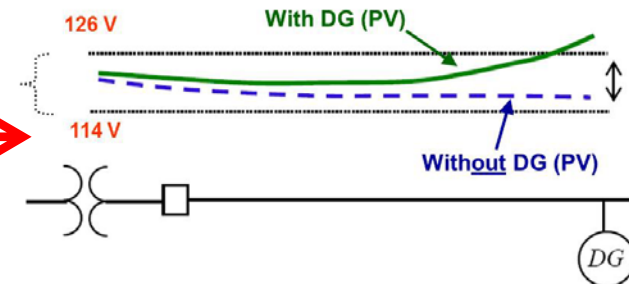
Identify DG and Central PV Scenarios for HSIS Study



Aggregate individual DG generators for transmission modelling

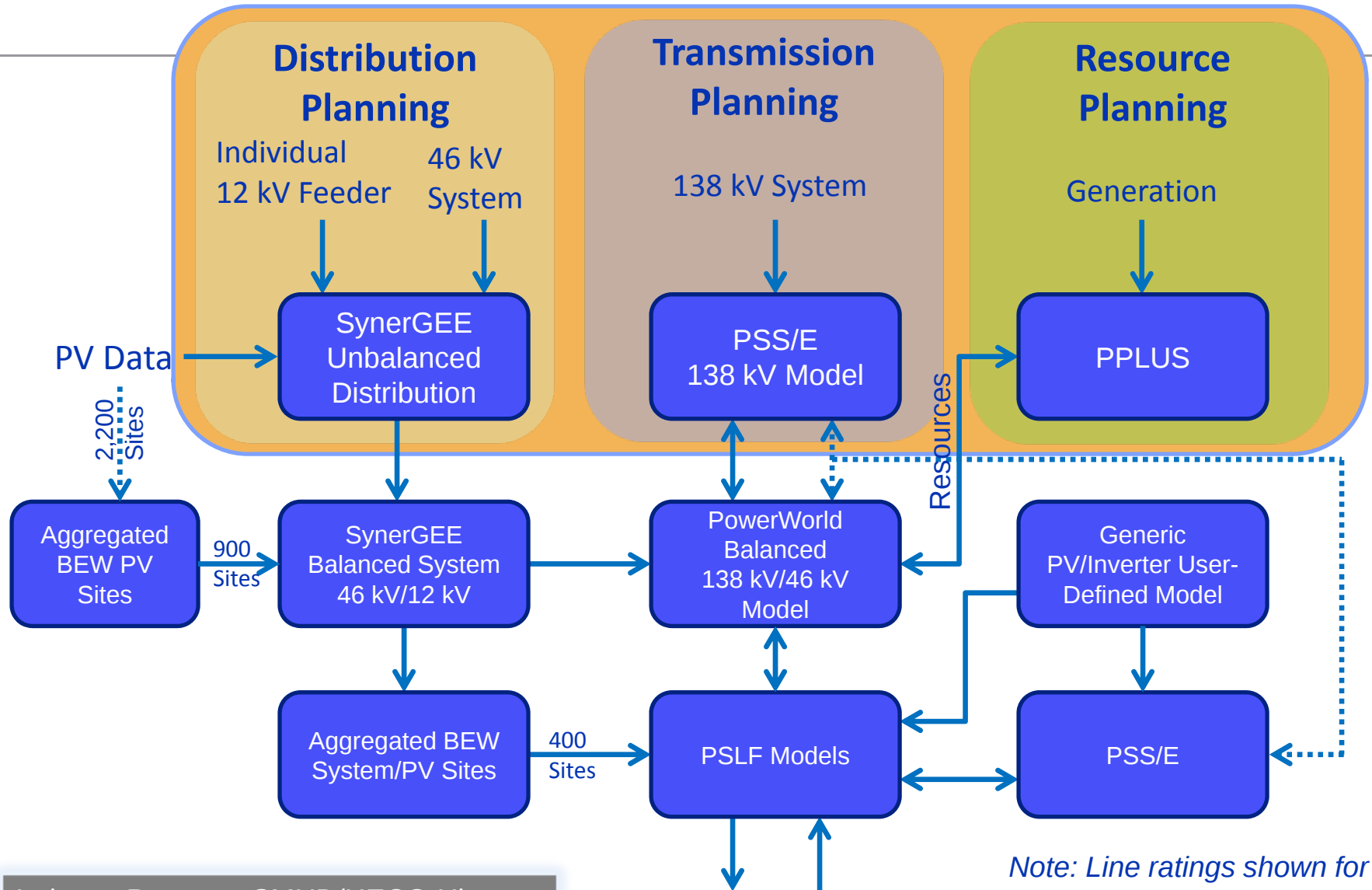


Model & field verification



Inform & expedite feeder level studies (nodal & clusters)

Graphical Flow of Handshaking Between Models



Industry Partners: SMUD/HECO Hi-Penetration Initiative, BEW Engineering, GL Noble Denton, GIS & EMS providers

Data Transfer Point

Note: Line ratings shown for Oahu system for illustration

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