



**Southwest Power Pool**

**JOINT TRANSMISSION/ECONOMIC STUDIES WORKING GROUP**

**October 29<sup>th</sup>, 2014**

**Net Conference – Little Rock, Arkansas**

**• SUMMARY OF ACTIONS TAKEN •**

1. ESWG members approved the Staff recommendation to continue forward with the current 2015 ITP10 final portfolios for each future and utilize those selected projects to address needs common to both assessments.
2. TWG members approved the Staff recommendation to continue forward with the current 2015 ITP10 final portfolios for each future and utilize those selected projects to address needs common to both assessments.



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**• MINUTES •**

**Agenda Item 1 – Administrative Items**

**Agenda Item 1a - Call to Order, Introductions**

Chair Noman Williams (Sunflower) and Chair Alan Myers (ITC Great Plains, LLC) called the joint meeting of the Transmission Working Group (TWG) and Economic Studies Working Group (ESWG) to order at 3:02 PM, welcomed those in attendance, and asked for introductions. (Attachment 1 – Attendance List)

There were 86 conference participants representing 15 of 20 TWG members and 13 of 13 ESWG members.

**Agenda Item 1b – Receipt of Proxies**

Alan Myers (ITC Great Plains, LLC) asked for proxy statements. Kelsey Allen (SPP Staff) received and read proxy statements and asked for corrections. Kurt Stradley (LES) named Alan Burbach (LES) as his ESWG proxy; Scott Benson (LES) named Alan Burbach (LES) as his TWG proxy. (Attachment 2 – Proxy Statements)

**Agenda Item 1c – Review of Agenda**

Chair Alan Myers (ITC Great Plains, LLC) presented the agenda for review and informed the groups that Staff would not be presenting the 2015 ITP10 Final Project Groupings and that a 2015 ITP10 Update item would be covered instead. (Attachment 3 – Agenda)

**Kip Fox (AEP, Transource) made a motion to adopt the agenda as amended. Kurt Stradley (LES) seconded. The motion was approved unanimously.**

**Agenda Item 2 – 2015 ITP10 Update**

Kelsey Allen (SPP Staff) updated the group on current status of the 2015 ITP10 study. Ventyx Support Staff discovered an error during review of the RCAR II model, related to SPP Staff's implementation of seasonal ratings in PROMOD. For the transmission lines with seasonal rating differences, the simulation was dispatching to winter line ratings for the entire annual simulation. Ventyx Support and SPP Staff have addressed the issue and assessed the impacts of the error. Kelsey presented a summary of raw needs from the updated models showing a count of old needs no longer present, new needs only in the updated assessments, and common needs to both assessments. Staff's recommendation is to continue forward with the current final portfolios for each future and utilize those selected projects to address needs common to both assessments. Any projects not needed to address common needs will be removed from the portfolios. New needs from the updated assessment will be re-evaluated and addressed in upcoming ITP cycles. After much discussion and consideration of other options, both groups agreed this approach provided the most value and best use of time and resources.

**ESWG: Kip Fox (AEP Transource) made a motion to accept Staff's recommendation. Kurt Stradley (LES) seconded. The motion passed with one opposed – Don Le (NextEra).**

**TWG: Matt McGee (AEP) made a motion to accept Staff's recommendation. Jim McAvoy (OMPA) seconded. The motion passed with one abstention – Dan Lenihan (OPPD)**

Upon further consideration of the ESWG vote, Don Le (NextEra) stated the motion that passed was the correct plan of action. Dan Lenihan chose to abstain from the TWG vote due to the lack of an updated study needs list provided by Staff.



**Agenda Item 3 – 2015 ITP10 Final Project Groupings**

This item was stricken from the agenda.

**Closing Items**

Chair Alan Myers (ITC Great Plains, LLC) requested other items meriting discussion.

The meeting was adjourned at 4:15 PM.

Respectfully Submitted,

Kelsey Allen

ESWG Secretary

Name	E-mail	Attendance
Al tamimi	atamimi@sunflower.net	Webex
Alan Burbach	aburbach@les.com	Webex
Alan Myers	amyers@itcgreatplains.com	Webex
Alex Watkins SPP	awatkins@spp.org	Webex
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Anita Sharma	asharma@aep.com	Webex
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Tony Gott (AECI)	tgott@aeci.org	Webex
Tony Green	tgreen@spp.org	Webex

## 1. Kurt Stradley (LES) ESWG proxy to Alan Burbach (LES)

**From:** Kurt Stradley [<mailto:kstradley@les.com>]  
**Sent:** Friday, October 24, 2014 8:36 AM  
**To:** Myers, Alan K.; Kelsey Allen ([kallen@spp.org](mailto:kallen@spp.org))  
**Cc:** Alan Burbach  
**Subject:** Oct 29 Meeting Proxy Vote

Hell Alan and Kelsey –

I will be unable to participate in the October 29<sup>th</sup> joint conference call with the TWG as I will be attending the 7<sup>th</sup> Annual Nebraska Wind and Solar Conference. I am giving my proxy vote to Alan Burbach of LES who will be participating in my place.

Best Regards,

**Kurt Stradley | Engineer III**  
**Lincoln Electric System**

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**Lincoln Electric System**

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## 2. Scott Benson (LES) TWG proxy to Alan Burbach (LES)

**From:** Scott Benson [[sbenson@les.com](mailto:sbenson@les.com)]  
**Received:** Monday, 20 Oct 2014, 2:08PM  
**To:** Kirk Hall [[khall@spp.org](mailto:khall@spp.org)]  
**CC:** Burbach, Alan [[aburbach@les.com](mailto:aburbach@les.com)]  
**Subject:** FW: TWG/ESWG Joint Net Conference October 29, 2014

Kirk,

I will be presenting at a conference on 10/29/14 and unable to join the joint TWG/ESWG net conference scheduled for that afternoon, so please set Alan Burbach of LES as my proxy for any potential voting items.

Thanks,

**Scott J. Benson, P.E. | Manager, Resource & Transmission Planning**  
**Lincoln Electric System**

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**Southwest Power Pool, Inc.**  
**JOINT TWG/ESWG NET CONFERENCE**  
**October 29<sup>th</sup>, 2014**  
**Net Conference – Little Rock, Arkansas**

**• A G E N D A •**

3:00 p.m. – 4:30 p.m.

1. Administrative items
  - a. Call to Order, Introductions..... Alan Myers (5 minutes)
  - b. Receipt of Proxies ..... Kelsey Allen (1 minute)
  - c. Review of Agenda ..... Alan Myers (1 minute)
2. 2015 ITP10 Update ..... Kelsey Allen (1 ½ hrs.)
3. 2015 ITP10 Final Project Groupings ..... Staff (1 ½ hrs.)

*Relationship-Based • Member-Driven • Independence Through Diversity*  
*Evolutionary vs. Revolutionary • Reliability & Economics Inseparable*

# 2015 ITP10 Update

November 3, 2014

SPP Staff





# Discussion Goals

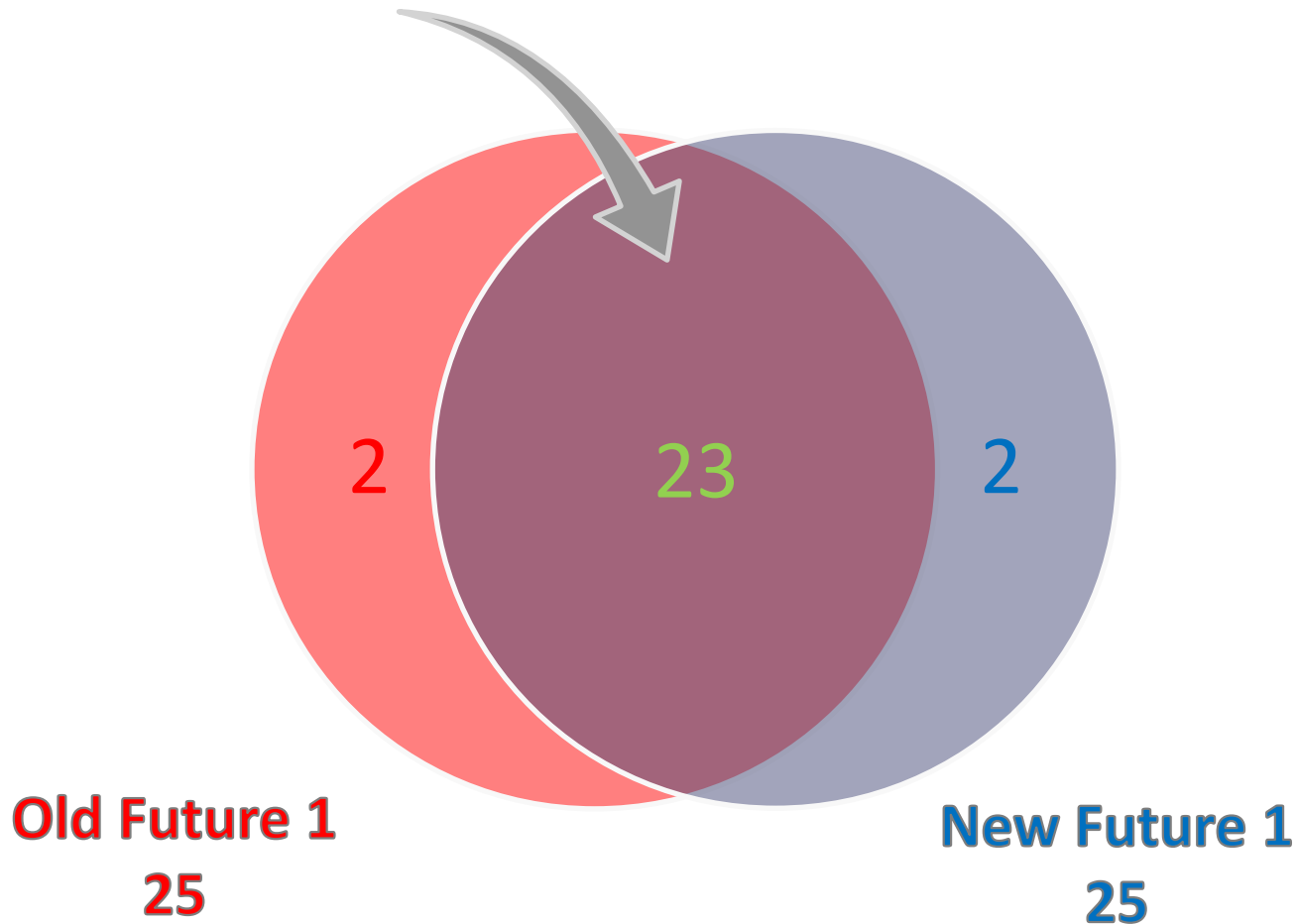
- Issue
- Impact
- Recommendation

# Background

- On October 14<sup>th</sup> SPP Staff was informed by Ventyx Support Staff during RCAR II model review that seasonal line rating adjustments were not being correctly reflected in PROMOD simulations for SPP models
  - The engine is selecting winter line ratings for all the 8784 hours simulated
  - This issue existed for constraint and needs assessments and project selection in the ITP10
- SPP Staff has been investigating the impacts and developing an action plan

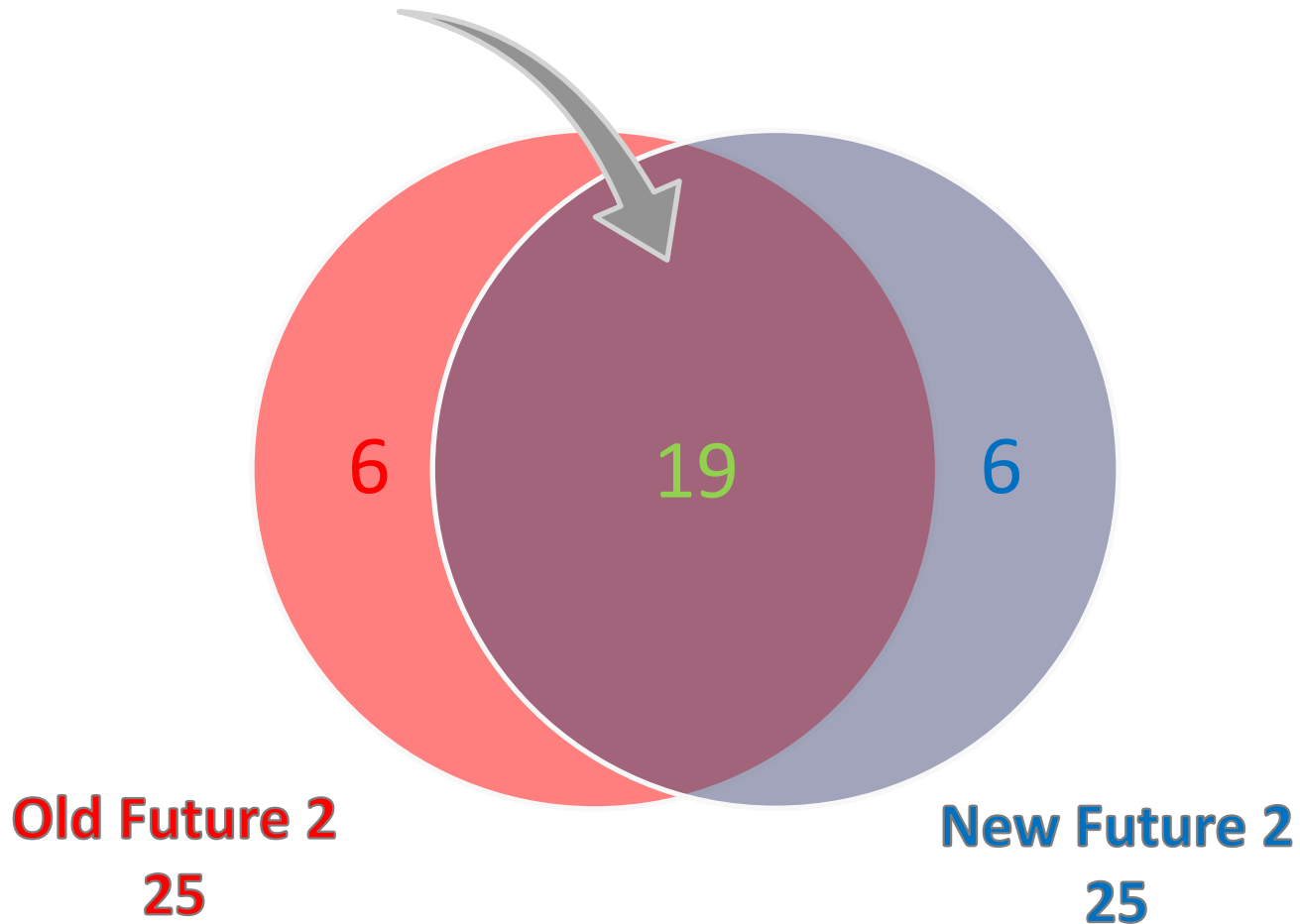
# Impacts on Needs (Economic)

Common Future 1



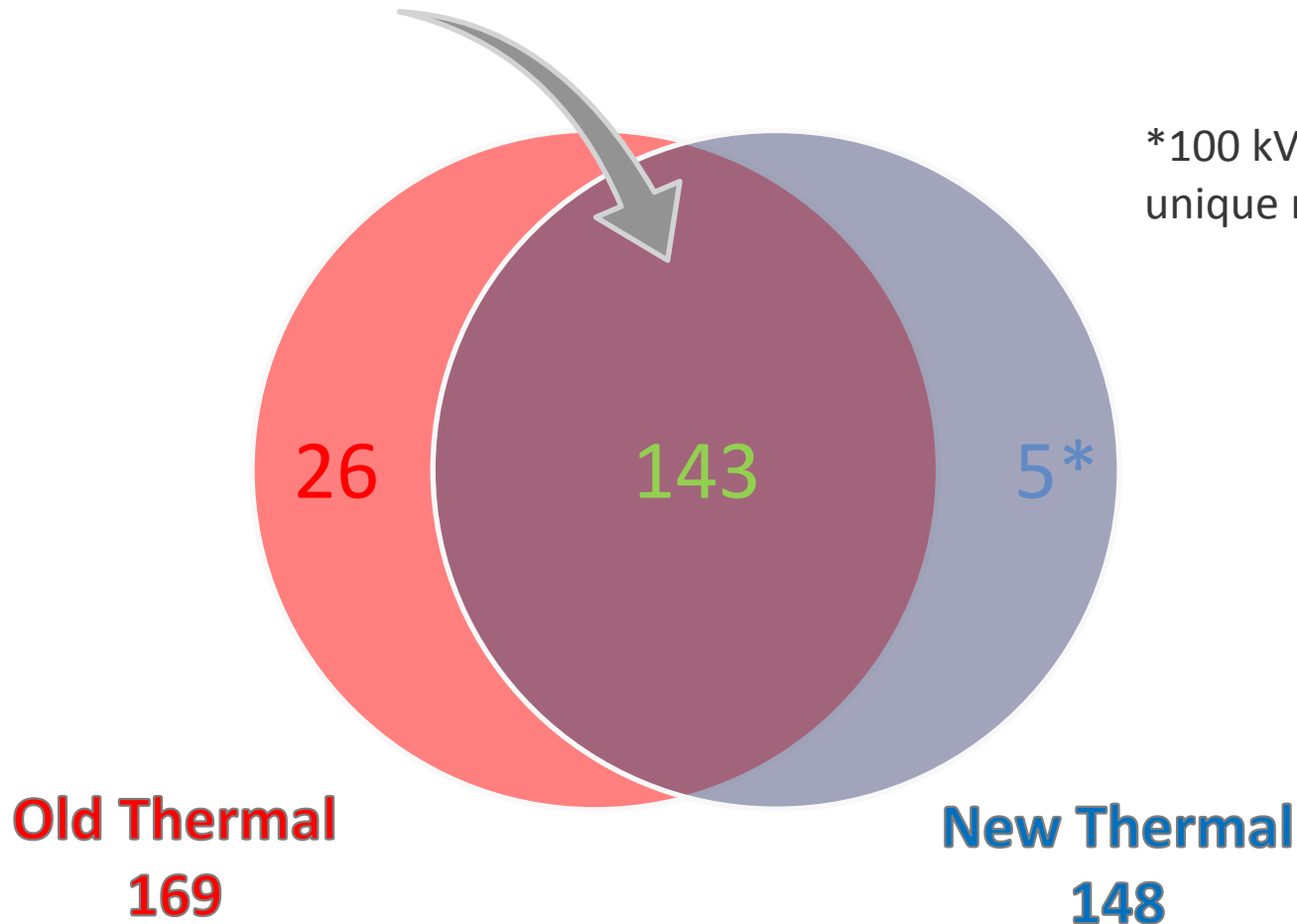
# Impacts on Needs (Economic)

Common Future 2



# Impacts on Needs (Reliability)

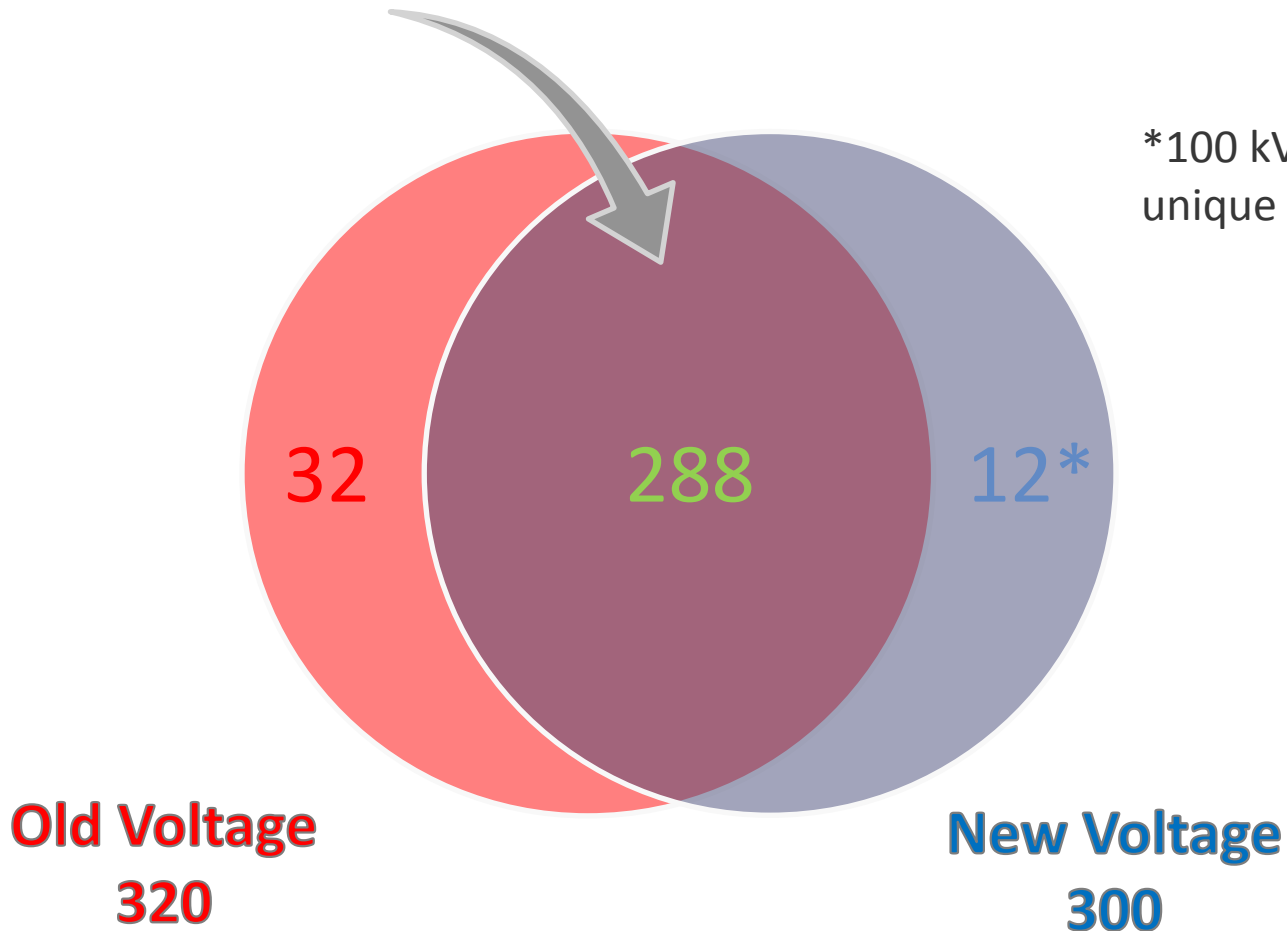
Common Thermal



\*100 kV and greater  
unique monitored facility

# Impacts on Needs (Reliability)

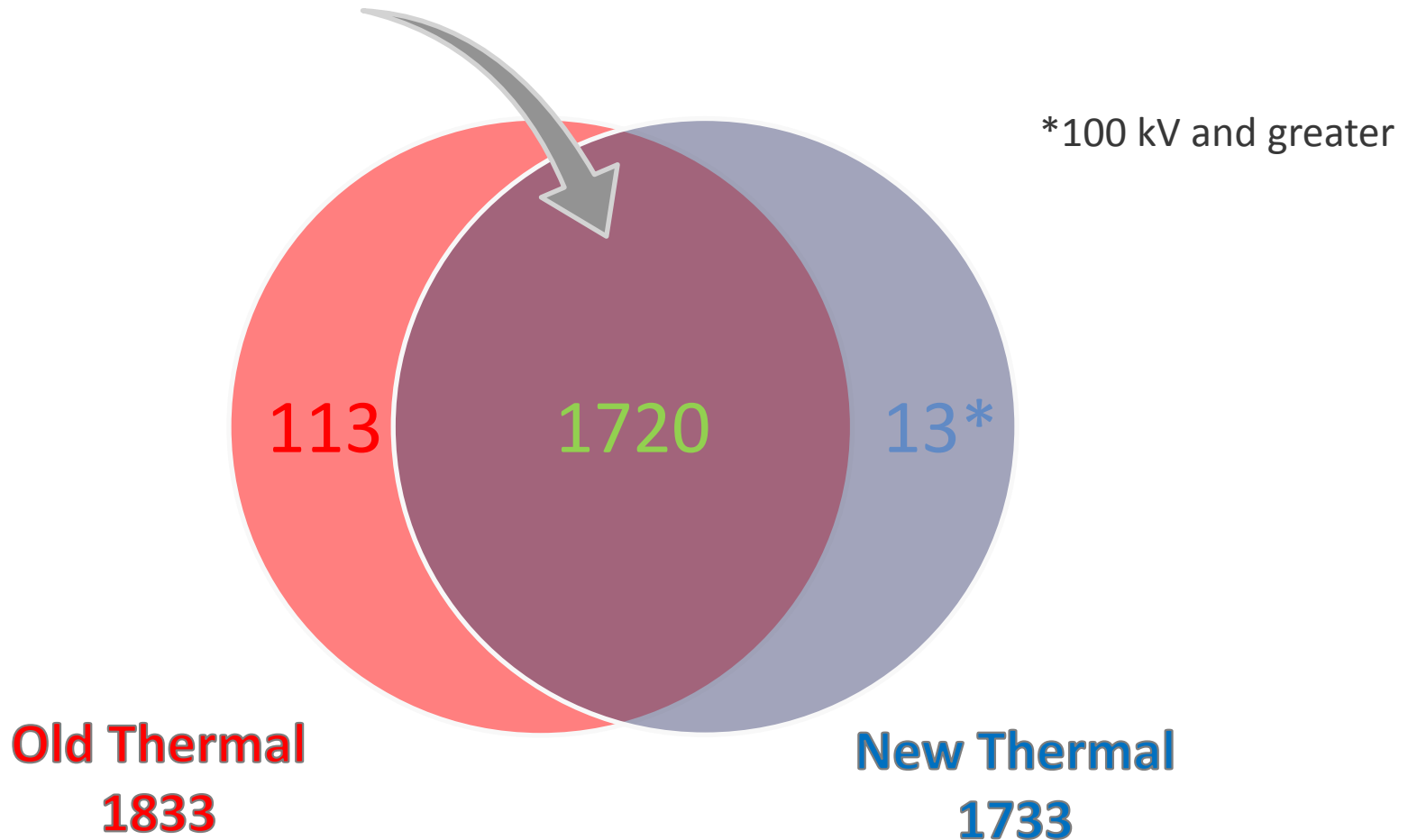
Common Voltage



\*100 kV and greater  
unique monitored facility

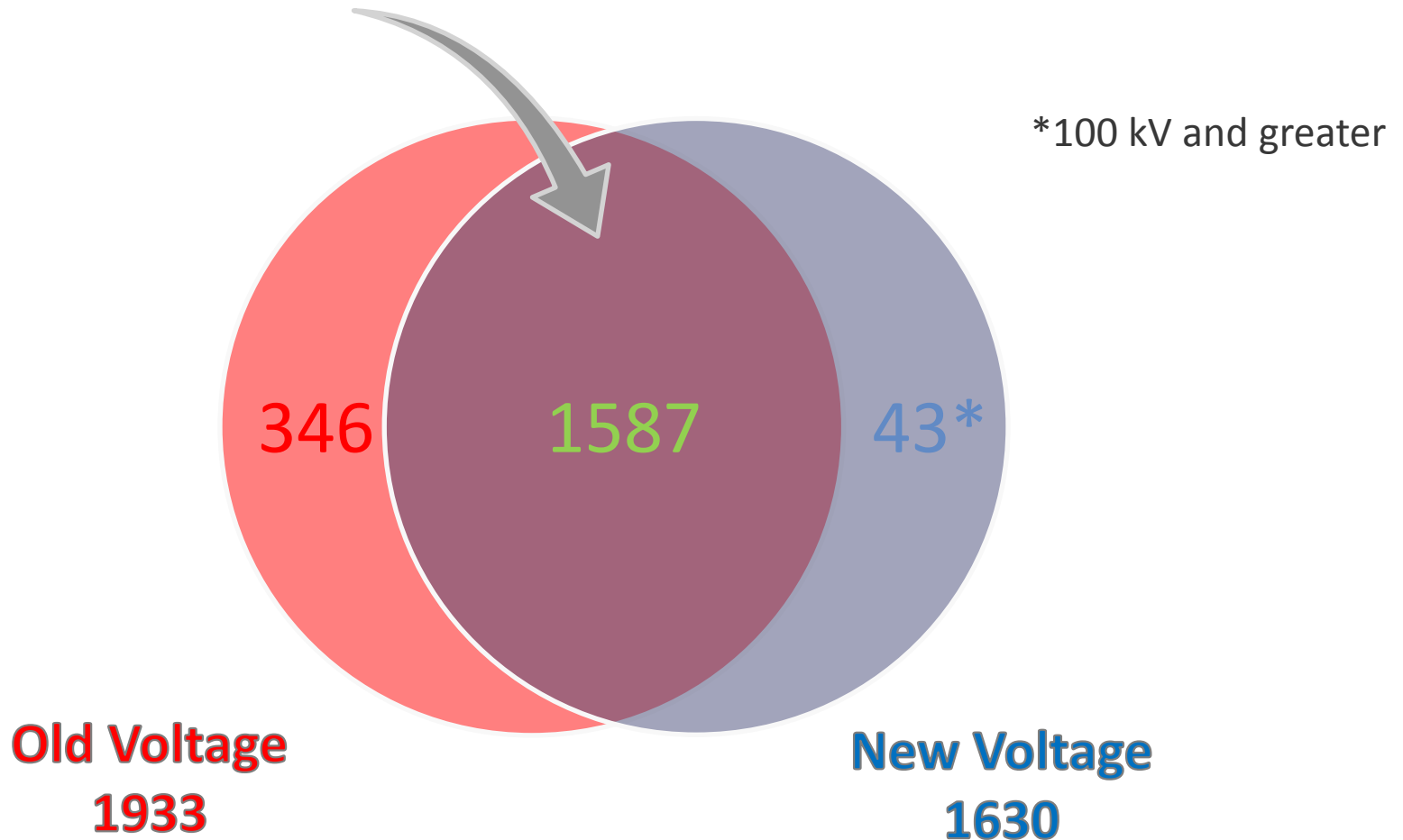
# Impacts on Needs (Reliability)

Common Thermal



# Impacts on Needs (Reliability)

Common Voltage





# Recommendation

- **Process**
  - **Identify common needs between new models and old models**
  - **Identify projects needed to address common needs**
    - **Project pool limited to final Future 1 and Future 2 Portfolios based on previous analysis**
    - **New needs identified will be re-studied in future ITPNT/ITP10**
  - **Re-consolidate based on new final F1 and F2 portfolios**

# Recommendation

- **Assumptions**
  - Use new PROMOD and PSS/E models for all continued analysis
  - Common need: same monitored element, contingent element, season (REL), and future
- **Meet January 2015 MOPC/BOD cycle with schedule adjustments**