

Quarterly Load Update



April 13, 2020

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Today's topics



Updates 10 year load forecast

COVID-19 impact on energy usage

Review of large customer projects

Update on substation construction activities

Questions?

(No action requested of the Board of Commission today)

Global Trends Declining Energy Use

Source: Utility Drivers, Reuters, EPRI, Canadian Press

Canada

Ontario
Reduction by (10%)

China

Hubei Province
Reduction by (21%)

England
Reduction
by (3-6%)

Spain
Reduction
by (15%)

Italy
Reduction
by (18- 21%)

California (6-15%)
Reduction of curtailment
of solar power and
reduction in participation
of demand response

Chelan PUD System Load March 2020

March 2

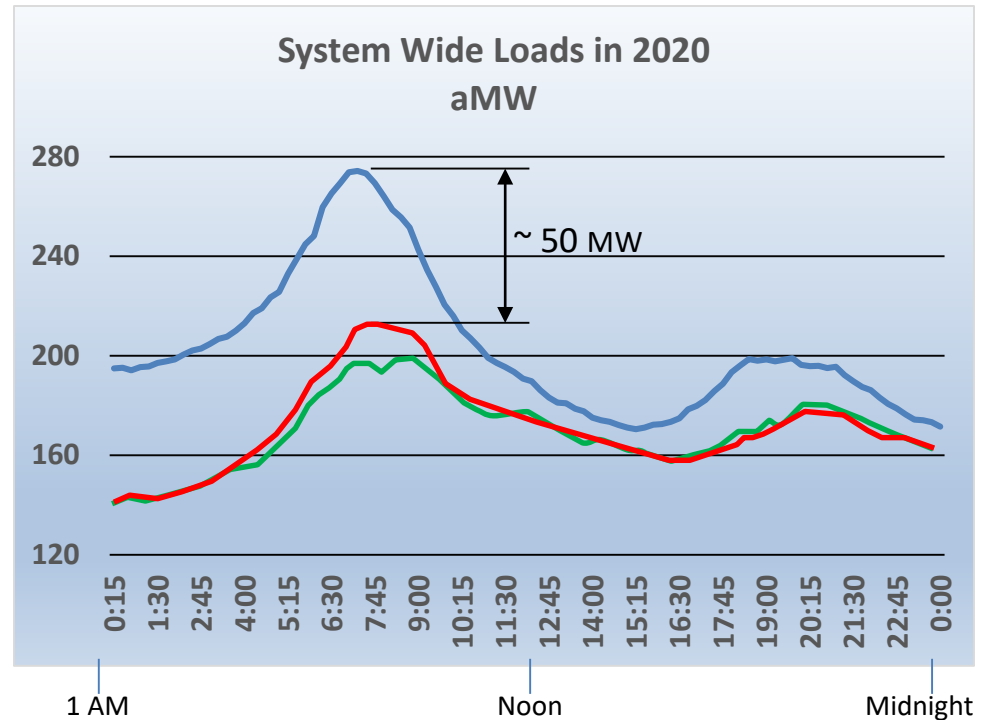
101 COVID-19 cases across USA. 6th dead in Washington State. No stay at home orders at this time.

March 23

Gov. Inslee issues 'stay at home' proclamation for Washington state

March 30

'Stay at home' orders in effect for 1 week



Note: March 2, 23, & 30 were similar in temperature

Observations during month of March from COVID-19



- System wide electrical loads dropped ~12% on Mar 23rd & Mar 30th compared to Mar 2nd where temperatures were similar.
- Other days in March yielded changes as low as 2% up to 12%
- Reductions in demand locally are similar to Mid-C hub of 5%-7% reduction
- Demand in fruit production & packaging remain steady or slight increase
- Commercial services account for the largest decrease in demand
- Increases in residential demand attributed to “Stay at home” orders
- The full extent of load declines & shifts is not known & changes continue

Wenatchee Foothills Housing Developments

(Water, Electric & Fiber)



Revised

**Triad 500
Res Lots**

**Beaconsfield
72 Res Lots**

**Sienna
41 Res Lots**

**Queen's Court
52 Res Condos**

**Deer Haven
120 Units AP**

**Pheasant Hill
93 Res Lots**

New

**Philippi Farms
500 Res Lots**

New

**Mixed Retail &
Residential
250 Res Lots**

New

**AnadaCom 455
Res Lots**

Wenatchee

East
Wenatchee

East
Wenatchee
Bench

South
Wenatchee

**Potential New Service
Total ~ 2,083**

Active Projects of Note:

All energy is shown in estimated
(Peak) Megawatts

NEW LARGE PROJECTS RECEIVED SINCE January, 2020 :

AnadaCom LLC 455 unit apartment complex - Wenatchee	2.0 MW
Phillippi Farms 500 unit residential development - Wenatchee	2.5 MW
Triad Maple LLC 500 units residential development - Wenatchee	2.5 MW
Majestic 213 apartment unit w/restaurant – Downtown Wenatchee	1.3 MW
40 unit residential apartment complex – Manson	0.3 MW
Residential apartment complex 167 units – Leavenworth	1.1 MW

Peak Demand ~ 9.7 MW

OTHER CUSTOMER WORK TRENDS SINCE January, 2020 :

- Multiple new applications for residential line extension
- Increase in Water Line extensions for residential developments & short plats
- Multiple new short plats & small developments across the County
- Pre-application with Chelan County for the Mission Ridge Expansion Plan

North Wenatchee Sub expansion (Diamond Foundry)



Status of Substations

Substation	Stage	Next stage
Ohme Sub	Site design & transformers delivered	complete
Diamond Foundry Sub	Electrical design and equipment deliver	Q3 - 2020
Wenatchee Sub Exp.	Site plan / General arrangement	Q2 - 2020
Chelan Gorge Sub	Transmission line, route design	Q2+ - 2020
North Shore Sub	ECI Consultant- Site plan/ arrangement	Q2- 2020
Leavenworth Sub	ECI Consultant- Site plan/ arrangement	Q2 - 2020
Mobile Sub Units	Delivery of two units	Q3 - 2020

Pandemic impact not fully known



Revised Strategic Planning Actions in 2020

- Engage the development community through direct outreach to gain insights into post COVID-19 development plans and potential development deferrals
- Closely monitoring trends and will recalibrate 10 year load forecast with another update in Q2



Summary:

- We are seeing up to 12% decline in electrical demand on our system
- Growth in new construction has essentially paused with few exceptions
- Minor adjustments to 2020 load forecast made however it's premature to make accurate adjustments to 10 year forecast
- We are realizing shifts in energy use patterns among customer classes
- Regional planning efforts will need to be recalibrated post COVID-19